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Sturgeon Lake–Wabigoon Lake Area High Density Regional Lake Sediment and Water Geochemical Survey, Northwestern Ontario

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ONTARIO GEOLOGICAL SURVEY

Open File Report 6125

Sturgeon Lake–Wabigoon Lake Area High Density Regional Lake Sediment and Water Geochemical Survey, Northwestern Ontario

by

D.F. Russell

2004

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Abstract

The Ontario Geological Survey carried out a helicopter-supported high density lake sediment and water survey of the Sturgeon Lake–Wabigoon Lake area of northwestern Ontario during the summer of 2001. The survey area is located approximately 270 km northwest of Thunder Bay and covers an area represented on National Topographic System (NTS) 1:50 000 scale map sheets 52F/9, 52F/10, 52F/16, 52G/13 and 52G/14. Lake sediment and/or water samples were collected from a total of 1337 lake sites and analyzed for a suite of over 50 elements. Preliminary interpretation of these analyses indicates 14 geochemically anomalous areas, including anomalous results for Ag, Au, Cd, Co, Cr, Cu, Mo, Ni, Pb, PGEs and Zn. Geochemical analyses and quality control data for this report are available separately as Miscellaneous Release—Data 130 (MRD 130).

Sturgeon Lake–Wabigoon Lake Area High Density Regional Lake Sediment and Water Geochemical Survey, Northwestern Ontario

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Ontario Geological Survey
Open File Report 6125

2004

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Introduction

Fieldwork for a high-density lake sediment and water geochemical survey for the Sturgeon Lake–Wabigoon Lake area was carried out between June 4 and July 3, 2001. The survey area is located approximately 270 km northwest of Thunder Bay (Figure 1) and covers an area of approximately 5000 km^2. The survey area is represented on National Topographic System (NTS) 1:50 000 scale map sheets 52F/9, 52F/10, 52F/16, 52G/13 and 52G/14. Lake sediment and/or water samples were collected at a total of 1337 sites, providing an average density of 1 sample per 3.7 km^2.

The Sturgeon Lake–Wabigoon Lake area was selected for this type of survey for reasons including client interest in the area, geology with favourable mineral potential and minimal geochemical exploration data for the region. The National Geochemical Reconnaissance (NGR) lake sediment program carried out by the Geological Survey of Canada covered the western portion of the current survey area at an average sample density of 1 sample per 13 km^2 (Hornbrook and Friske 1989). The current program will provide new regional geochemical data at a relatively high resolution.

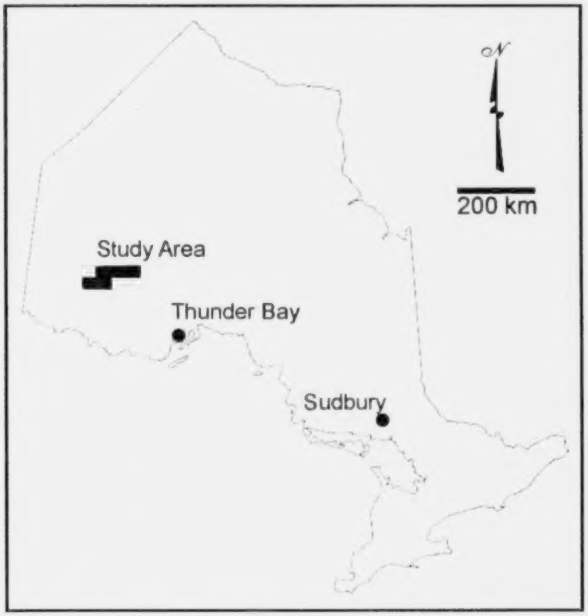

Figure 1. Location map for the Sturgeon Lake–Wabigoon Lake study area.

Regional Setting

BEDROCK GEOLOGY

The geology of the survey area is represented at a scale of 1:253 440 on 2 Ontario Geological Survey (OGS) Geological Compilation Series maps (Breaks 1980; Blackburn 1981). Parts of the survey area have been mapped at a scale of 1:50 000 or greater. Trowell (1983) and Trowell et al. (1983) have mapped the eastern portion of the survey area represented on NTS 1:50 000 map sheets 52G/13 and 52G/14. Portions of the central part of the survey area have been mapped by Satterly (1960) and Johnston (1969, 1972) at a scale of 1:31 680, Berger (1989, 1990) at a scale of 1:20 000 and Page (1984) at a scale of 1:15 840. Chorlton (1991) completed a study of the geological history of the Sandybeach Lake area with a focus on gold mineralization. More recently, Beakhouse (2000) began a multiyear mapping program to examine the geology and mineral potential of the Wabigoon area, which is partially contained in the western portion of the survey area.

Figure 2 shows a generalized map of the bedrock geology. Within the survey area, supracrustal rocks occur within 3 interconnected greenstone belts (Blackburn et al. 1991) comprising part of the western Wabigoon subprovince. The Sturgeon Lake greenstone belt in the east and Abram-Minnitaki lakes greenstone belt in the central part of the area strike northeast, while the Eagle-Wabigoon-Manitou lakes greenstone belt in the west has an arcuate outline. In general, all 3 belts consist of a lower mafic metavolcanic unit, middle mixed intermediate to felsic metavolcanic and metasedimentary units and an upper mafic to intermediate metavolcanic unit. Age dates provided by Blackburn et al. (1991) for the middle mixed units range from 2743 Ma to 2733 Ma, with one member of the South Sturgeon assemblage in the Sturgeon Lake greenstone belt dated at 2718 Ma.

Significant ultramafic to mafic intrusive rocks are present in the lower mafic metavolcanic units, though many of the upper mafic sequences also contain gabbroic and peridotitic sills and dikes (Blackburn et al. 1991). These intrusive rocks may also occur at the margins of metavolcanic and granitoid intrusive rocks. Plutonic volcanism in the area consists of both synvolcanic granitoid complexes (2732 to 2708 Ma) and post-tectonic granitoid stocks emplaced between 2709 and 2685 Ma (Blackburn et al. 1991). The central part of the survey area is cut by the Wabigoon and Little Vermilion faults which strike roughly northeast from the Dryden area.

PHYSIOGRAPHY AND SURFICIAL GEOLOGY

Engineering geology terrain maps have been produced for the area at a scale of 1:100 000 (Roed 1980; Mollard and Mollard 1980). These maps, developed mainly from the interpretation of aerial photographs, comprise the most detailed Quaternary mapping for the area. Local relief in the survey area is variable, though generally less than 40 m. Topography in the survey area is controlled by the distribution of surficial sediments and differential erosion of the underlying bedrock geology (Trowell 1983).

A generalized surficial geology map for the survey area is shown in Figure 3. Glaciolacustrine clay, silt and sand of glacial Lake Agassiz form a major component of the Quaternary deposits in the area. Local thicknesses of these sediments produce areas of very gentle topography in the vicinity of Wabigoon and Dinorwic lakes, Minnitaki Lake and the English River. These lowland areas generally show a marked decrease in the density of lakes. The other significant surficial deposits in the area are the stratified glaciofluvial sand and gravel deposits of the Hartmann and Lac Seul moraines which strike southeast across the centre of the study area (Barnett 1991). Deposits of till, glaciofluvial outwash and recent organic material (peat and muck) are thin and discontinuous throughout the area and are separated by areas of knobby and ridged bedrock.

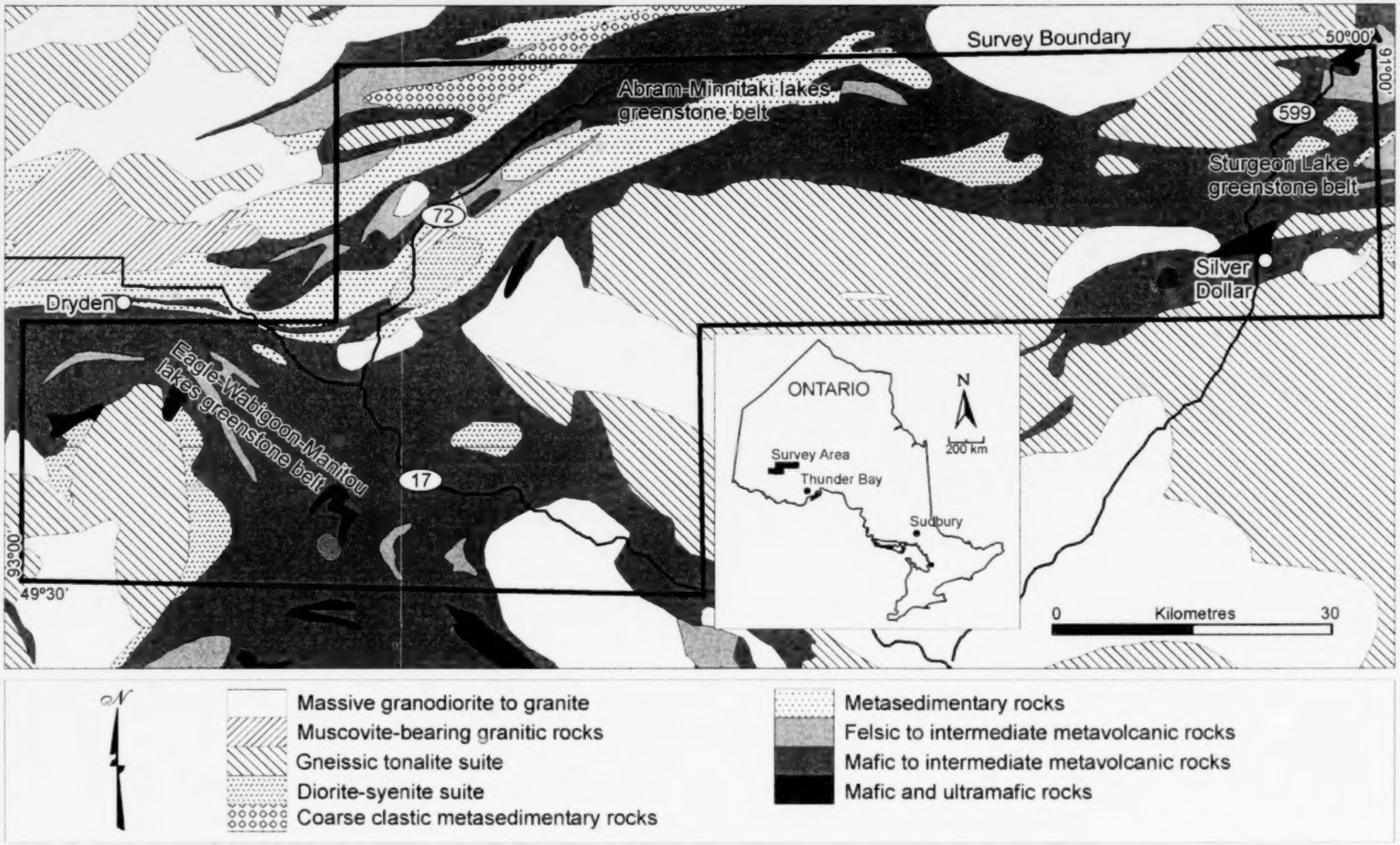
Survey Boundary
50°00'
91°00'
599
Abram-Minnitaki lakes greenstone belt
Sturgeon Lake greenstone belt
72
Silver Dollar
Dryden
Eagle-Wabigoon-Manitou lakes greenstone belt
17
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
93°00'
49°30'
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

Figure 2. Bedrock geology of the Sturgeon Lake–Wabigoon Lake area lake sediment and water geochemical survey. Geology *after* Ontario Geological Survey 1991.

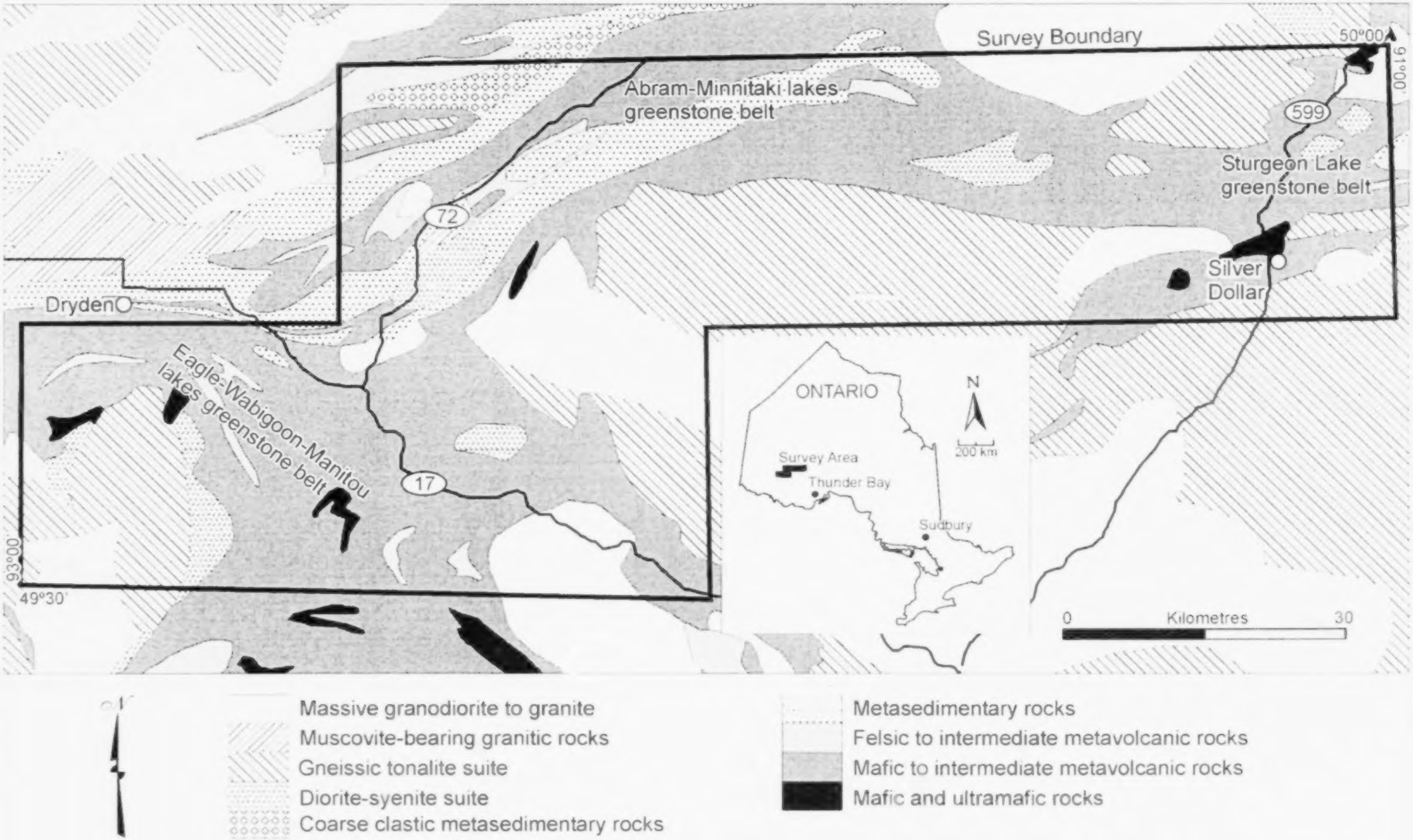
Survey Boundary
50°00'
91°00'
Abram-Minnitaki lakes greenstone belt
599
Sturgeon Lake greenstone belt
72
Silver Dollar
Dryden
Eagle-Wabigoon-Manitou lakes greenstone belt
17
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
93°00'
49°30'
0
Kilometres
30
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

Figure 2. Bedrock geology of the Sturgeon Lake–Wabigoon Lake area lake sediment and water geochemical survey. Geology *after* Ontario Geological Survey 1991.

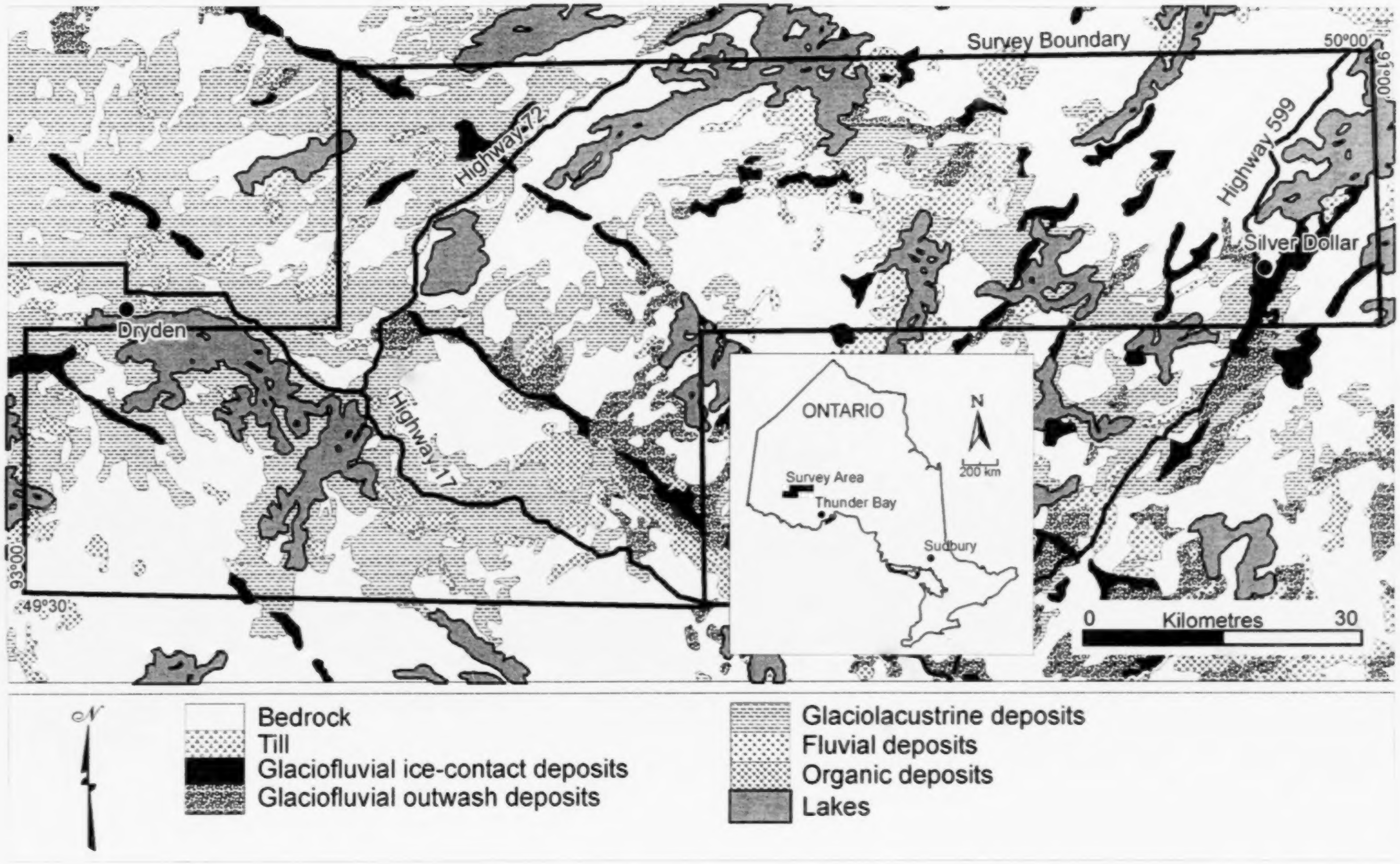
Survey Boundary
50°00'
91°00'
Highway 72
Highway 599
Silver Dollar
Dryden
Highway 17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
0
Kilometres
30
N
Bedrock
Till
Glaciofluvial ice-contact deposits
Glaciofluvial outwash deposits
Glaciolacustrine deposits
Fluvial deposits
Organic deposits
Lakes

Figure 3. Surficial geology of the Sturgeon Lake–Wabigoon Lake area lake sediment and water geochemical survey. Geology *after* Barnett et al. 1991.

Methodology

SAMPLING METHODS

Sediment sampling was performed by a 2-person team from a float-equipped Bell 206B helicopter. An overall average of 14.8 lakes were sampled for each hour of helicopter time. The samples were collected using a gravity corer designed by the OGS. Samples were taken from depths >20 cm below the sediment/water interface (SWI) in order to minimise or avoid anthropogenic influences and SWI effects. These deeper sediments more accurately reflect the natural geochemical inputs which may be traced back to local bedrock geology (Dyer 1998). The samples were extruded from the collection tube into breathable fabric bags and then placed in a sealable plastic bag until the end of the sampling run.

Lake water samples were taken simultaneously with the sediment samples. On lakes <3 m deep, water samples were collected at a depth of 0.5 m below the water surface while on lakes deeper than 3 m samples were collected at a depth of 2 m. A semi-automated water sampling apparatus, developed by the OGS, was used for the collection of samples. The apparatus consists of a submersible pump, a water quality meter (YSI) for measurement of parameters such as pH, temperature and conductivity, a sample bottle tray and a variety of hoses and valves. Water from the lake was pumped through the system in order to purge it prior to the collection of a sample and the recording of water quality data. The water samples were kept cool immediately following collection and were processed (filtered and acidified) within 24 hours of collection.

Sample site locations were recorded using a GPS receiver mounted in the cockpit of the helicopter. A customised database application operating from a pen-based computer was used to record the sediment sample information and descriptions. Water quality data was recorded using the program *Ecowatch*™.

SAMPLE PREPARATION AND ANALYTICAL METHODS

Sediment samples were allowed to partially air dry in porous collection bags in the field. Upon arrival at the laboratory, the samples were freeze dried, partially pulverised in a ceramic ring mill and sieved to obtain the -80 mesh (<177 μm) size fraction. Laboratory analyses included nitric-aqua regia digestion followed by inductively coupled plasma-mass spectrometry (ICP-MS) and inductively coupled plasma-optical emission spectrometry (ICP-OES) for the determination of approximately 50 trace and major elements. Nitric-aqua regia digestion attacks all sample matrix constituents except for silicate minerals and is therefore considered a non-selective, relatively strong partial extractant (Dyer 1998). Approximately 15 g of sample pulp were pressed into briquettes prior to analysis by instrumental neutron activation analysis (INAA) for Au and a suite of 34 other elements. Sufficient pulp was available to analyze 1068 samples by fire assay with an ICP-MS finish to determine Au, Pt and Pd. Loss on ignition (LOI) is determined at 500°C using an automated gravimetric technique. Quality control was monitored through sample pulp duplicates and certified reference materials ("standards") inserted into the sample sequence.

Water samples were passed through 0.45 μm syringe filters and acidified to 1% ultrapure nitric acid within 24 hours of collection. Analysis of water included direct aspiration inductively coupled plasma-mass spectrometry (ICP-MS) to determine approximately 50 elements including major cation and anion species. Quality of the analyses was monitored through the use of sample duplicates, certified reference standard SLRS-4 and blanks (distilled water).

Quality Control (QC) Results

METHODS

Every 10th sediment sample submitted was a quality control (QC) sample. Each QC sediment sample consisted of either analytical (pulp) duplicates, certified reference standards (CRS) or an internal (OGS collected) bulk standard. Analytical pulp duplicates were prepared by halving 1 in 40 of the dried sample pulps and inserting them into the sample sequence. CANMET certified reference standards (LKSD-1 and LKSD-4, Lynch 1990) and an OGS internal standard were also inserted as dried pulps between the sample preparation and analysis stages. Every 20th sample was either a CRS or an OGS internal standard. These 3 standards were inserted alternately so that each was repeated every 60th sample.

Analytical precision for each element was determined by plotting duplicate data on an X-Y chart and determining the variation of 95% of the data from a 1:1 ratio. Accuracy was determined by plotting the sequential values returned for certified reference standards inserted in the batch against a vertical scale of concentration and comparing this with the "provisional values" (Lynch 1990) for the standards. The mean and standard deviation of values returned for each standard were also compared with the provisional values.

Table 1 contains a summary of the lake sediment analytical data used to generate this report, including some basic statistics and estimates of precision for each element and coefficients of variation for the certified reference materials. A full listing of data used to prepare this table is contained in MRD-130, published separately from this report.

Quality control results for lake waters are shown in Table 2. The full lake water data set has been included in MRD-130, but the results are not discussed in this report.

GENERAL ASSESSMENT

In general, the quality of the Sturgeon Lake–Wabigoon Lake analytical data was excellent with no significant quality control problems in the majority of elements reported. Those areas which are of concern are discussed in the following sections.

GOLD BY NEUTRON ACTIVATION (INAA) AND FIRE ASSAY (FA/ICP-MS)

A meaningful quantitative assessment of the precision of Au by both fire assay and neutron activation was not possible due to the high number of analyses which were below detection limits for both methods. Out of 75 duplicate pairs submitted for INAA, only 2 samples returned values above the detection limit of 2 ppb, and they were not reproduced in their associated duplicates. Historically, INAA yields a precision level of about 3-5 ppb at the 95% confidence level.

Element	Analytical Method[1]	Units	MDL[2]	Median[3]	Range[3]		Estimated Precision[4]	LKSD-1; n = 26			LKSD-4; n = 26		
					Min	Max		Cert. Value[5]	Mean Value	CV[6] (%)	Cert. Value	Mean Value	CV[6] (%)
Ag	ICP-MS	Ppm	0.02	0.08	<0.02	0.52	0.05	0.6^{b}	0.56	9.34%	0.2	0.21	11.62%
Al	ICP-OES	Ppm	30	13508	875	35740	2847	41300^{a}	4458	7.89%	31200	12516	5.54%
As	INAA	ppm	0.5	2.6	<0.5	90.4	1.2	40	37.8	2.86%	16	16.5	3.09%
Au	FA/ICP-MS	ppb	0.90	<0.90	<0.90	15.25	1.12	5	2.75	39.52%	2	1.28	65.93%
Au	INAA	ppb	2	<2	<2	54	NA	5	4	107.32%	2	2	211.62%
Ba	ICP-MS	ppm	1.00	91.27	15.63	1208	11.62	430	93.29	3.71%	330	137.35	4.71%
Be	ICP-MS	ppm	0.10	0.26	<0.10	1.79	0.51	1.1	0.13	69.80%	1	0.33	72.53%
Br	INAA	ppm	1	31	3.1	199	3	11	11.3	4.95%	49	52.9	3.01%
Ca	ICP-OES	ppm	15	8422	1177	25216	1008	77200^{a}	70539	3.43%	12900	9854	3.40%
Cd	ICP-MS	ppm	0.05	0.342	<0.05	1.266	0.124	1.2^{b}	1.508	5.06%	1.9	2.025	5.17%
Co	ICP-MS	ppm	0.05	7.56	0.63	23.30	1.19	9^{b}	7.84	4.90%	11	9.20	4.28%
Cr	ICP-OES	ppm	4	26	<4	92	8	12^{b}	14	6.86%	21	21	6.88%
Cs	ICP-MS	ppm	0.01	1.06	0.08	3.64	0.27	1.5	0.52	5.96%	1.7	1.15	8.96%
Cu	ICP-OES	ppm	5	27	<5	204	3	44^{b}	43	4.11%	30	31	3.88%
Fe	ICP-OES	ppm	5	16483	1310	10618	2810	18000^{b}	19532	4.21%	27000	26530	4.22%
Ga	ICP-MS	ppm	0.05	3.45	0.16	11.45	1.00	—	2.19	10.11%	—	4.27	6.24%
Hf	ICP-MS	ppm	0.05	0.05	<0.05	0.55	0.075	3.6	<0.05	—	2.8	<0.05	—
Hg	ICP-MS	ppm	0.05	0.05	<0.05	0.25	0.055	110^{b}	0.08	41.07%		0.16	24.29%
K	ICP-OES	ppm	100	797	<100	4632	303	9460^{a}	450	9.20%	6800	938	6.30%
Li	ICP-MS	ppm	0.50	10.72	<0.50	45.55	4.09	7	4.42	11.45%	12	9.60	10.49%
Mg	ICP-OES	ppm	20	3788	408	21319	523	10400^{a}	6762	4.36%	5600	4120	3.72%
Mn	ICP-OES	ppm	1	300	22	21544	61	460^{b}	434	4.47%	430	423	4.51%
Mo	ICP-MS	ppm	0.10	0.92	0.13	8.68	0.20	12^{b}	10.11	3.17%	2	1.81	5.33%
Na	ICP-OES	ppm	10	179	27	855	61	14800^{a}	338	12.57%	5400	233	7.03%
Nb	ICP-MS	ppm	0.05	1.24	0.12	3.44	0.50	7	1.01	13.88%	9	1.36	7.85%
Ni	ICP-OES	ppm	5	22	<5	64	4	11^{b}	15	6.74%	32	35	4.94%
P	ICP-OES	ppm	50	799	225	11879	109	700^{a}	762	4.75%	1440	1383	4.88%
Pb	ICP-MS	ppm	0.05	4.92	0.57	30.51	0.66	84^{b}	79.87	5.53%	93	90.65	4.98%
Pd	FA/ICP-MS	ppb	0.90	<0.90	<0.90	6.39	NA	—	<0.9	26.52%	—	<0.9	43.07%
Pt	FA/ICP-MS	ppb	0.50	<0.50	<0.50	5.14	0.38	—	<0.5	0.00%	—	<0.5	41.56%
Rb	ICP-MS	ppm	0.05	11.33	0.40	63.46	3.00	24	3.74	7.43%	28	10.66	4.36%
S	ICP-OES	ppm	30	2708	225	21736	379	15700	16086	4.58%	9900	9966	5.47%
Sb	ICP-MS	ppm	0.05	0.09	<0.05	2.31	0.045	1.2^{b}	0.65	9.40%	1.5	1.22	7.38%
Sc	ICP-MS	ppm	0.10	2.83	<0.10	10.74	1.23	9	2.46	15.83%	7	3.82	10.71%
Sn	ICP-MS	ppm	0.50	0.25	<0.50	8.79	0.29	16	3.29	3.74%	5	3.49	26.79%
Sr	ICP-MS	ppm	0.10	23.27	8.33	135.8	3.61	250	65.49	4.52%	110	40.26	5.00%
Ta	INAA	ppm	0.5	<0.5	<0.5	3.5	0.85	0.3	0.4	84.74%	0.4	0.3	40.28%
Th	ICP-MS	ppm	0.05	2.50	<0.05	17.68	0.94	2.2	1.42	6.87%	5.1	2.08	12.56%
Ti	ICP-OES	ppm	3	390	29	1983	184	3010	404	11.95%	2270	497	6.86%
Tl	ICP-MS	ppm	0.05	0.15	<0.05	0.48	0.02	—	0.22	3.12%	—	0.43	4.92%
U	ICP-MS	ppm	0.05	1.29	0.13	35.32	0.41	9.7	8.50	4.21%	31	29.91	4.89%
V	ICP-OES	ppm	5	32	<5	127	6	27^{b}	22	6.33%	32	34	5.05%
W	ICP-MS	ppm	0.05	0.12	<0.05	2.13	0.06	<4	0.67	17.28%	<4	0.23	17.96%
Y	ICP-MS	ppm	0.05	8.82	0.64	44.68	1.43	19	11.02	7.46%	23	17.06	5.48%
Zn	ICP-OES	ppm	2	73	9	184	8	337^{b}	316	3.13%	189	185	3.45%
Zr	ICP-MS	ppm	0.10	2.60	<0.10	26.08	1.96	134	1.89	13.36%	105	1.04	20.34%
La	ICP-MS	ppm	0.05	22.94	0.94	265.2	2.52	16	10.70	5.63%	26	21.58	4.66%
Ce	ICP-MS	ppm	0.03	39.95	1.73	400.0	13.26	27	17.72	8.24%	48	39.21	11.66%
Pr	ICP-MS	ppm	0.05	5.26	0.24	62.70	0.85	—	2.94	4.71%	—	5.64	5.40%
Nd	ICP-MS	ppm	0.08	19.86	1.01	224.0	2.36	16	12.41	5.27%	25	22.63	6.27%
Sm	ICP-MS	ppm	0.05	3.31	0.19	28.64	0.54	4	2.64	6.18%	5	4.26	5.02%
Eu	ICP-MS	ppm	0.05	0.69	<0.05	5.99	0.15	0.9	0.53	6.66%	1.1	0.98	5.47%
Gd	ICP-MS	ppm	0.05	3.05	<0.05	24.00	0.49	—	2.57	6.57%	—	4.26	5.81%
Tb	ICP-MS	ppm	0.05	0.36	<0.05	2.26	0.07	0.6	0.35	6.96%	1.2	0.56	6.15%
Dy	ICP-MS	ppm	0.05	1.73	0.12	8.61	0.30	3.4	1.84	6.33%	3.7	2.99	5.02%
Ho	ICP-MS	ppm	0.01	0.33	0.03	1.63	0.05	—	0.37	7.57%	—	0.60	6.58%
Er	ICP-MS	ppm	0.01	0.88	0.06	4.32	0.21	—	1.03	8.60%	—	1.73	6.28%
Tm	ICP-MS	ppm	0.005	0.120	0.010	0.600	0.03	—	0.142	8.03%	—	0.246	6.81%
Yb	ICP-MS	ppm	0.05	0.76	0.06	3.72	0.11	2	0.94	7.92%	2	1.62	7.82%
Lu	ICP-MS	ppm	0.005	0.120	0.010	0.580	0.03	0.4	0.150	9.16%	0.5	0.248	6.80%
LOI	Grav.	%	0.01	32.82	3.20	88.66	0.92	23.5	22.43	0.89%	40.8	40.24	0.55%

[1] ICP-MS = Inductively Coupled Plasma – Mass Spectrometry; ICP-OES = Inductively Coupled Plasma – Optical Emission Spectrometry; FA/ICP-MS = Fire Assay/ICP-MS finish; INAA = Instrumental Neutron Activation Analysis.

[2] MDL = Method detection limit.

[3] n = 1155 (does not include pulp duplicates or certified reference materials).

[4] Estimated precision at 95% confidence level based on 75 duplicate pairs; FA/ICP-MS elements based on results of 73 duplicate pairs.

[5] a = oxide value converted to ppm, b = partial extraction, all others are total extraction; also applies to LKSD-4.

[6] CV = Coefficient of Variation, defined as one standard deviation as a percentage of the mean.

Table 1. Summary of elements including estimates of precision, Sturgeon Lake–Wabigoon Lake study area lake sediment data set.

Element	Analytical Method[1]	Units	MDL[2]	Median[3]	Range		Estimated Precision[4]	SLRS-4[5]; n = 13		
					Min	Max		Certified Value	Mean QC Result	Coefficient of Variation (%)
Ag	ICP-MS	ppb	0.05	<0.05	<0.05	7.17	0.00	—	0.03	0.00%
Al	ICP-MS	ppb	0.2	47.78	<0.20	477.90	61.70	54	53.47	23.08%
Au	ICP-MS	ppb	0.01	<0.01	<0.01	0.05	0.02	—	0.01	120.27%
Ba	ICP-MS	ppb	0.3	5.71	<0.30	27.09	0.97	12.2	12.46	6.97%
Be	ICP-MS	ppb	0.02	<0.02	<0.02	0.04	0.00	0.007	0.01	0.00%
Ca	ICP-MS	ppb	60	6902	<60	56073	1626	6200	5420	8.70%
Cd	ICP-MS	ppb	0.005	0.006	<0.005	0.657	0.014	0.012	0.014	21.84%
Co	ICP-MS	ppb	0.02	<0.02	<0.02	1.47	0.02	—	0.03	15.52%
Cr	ICP-MS	ppb	0.03	0.23	<0.03	2.06	0.42	0.033	0.27	38.84%
Cs	ICP-MS	ppb	0.05	<0.05	<0.05	0.11	0.00	0.33	0.03	0.00%
Cu	ICP-MS	ppb	0.2	1.37	<0.20	47.90	2.29	—	2.49	46.65%
Fe	ICP-MS	ppb	1	105	<1	1136	44	1.81	108	19.42%
Ga	ICP-MS	ppb	0.3	<0.30	<0.30	0.43	0.00	—	0.15	15.44%
Hg	ICP-MS	ppb	0.01	0.02	<0.01	0.61	0.27	—	0.05	174.49%
Li	ICP-MS	ppb	0.02	0.51	<0.02	3.57	0.24	—	0.43	16.33%
Mg	ICP-MS	ppb	15	1520	<15	9601	538	103	1586	10.16%
Mn	ICP-MS	ppb	0.2	1.95	<0.20	162.30	3.25	—	3.22	27.67%
Mo	ICP-MS	ppb	0.3	<0.30	<0.30	13.46	0.01	—	0.15	16.53%
Ni	ICP-MS	ppb	0.4	<0.40	<0.40	3.35	0.26	—	0.61	9.10%
Pb	ICP-MS	ppb	0.01	0.10	<0.01	4.41	0.41	—	0.12	60.79%
Rb	ICP-MS	ppb	0.02	1.17	<0.02	6.44	0.19	1600	1.53	7.80%
Sb	ICP-MS	ppb	0.03	<0.03	<0.03	0.64	0.02	3.37	0.27	6.89%
Sc	ICP-MS	ppb	0.01	0.62	<0.01	3.69	0.46	0.21	0.95	30.11%
Sn	ICP-MS	ppb	0.02	<0.02	<0.02	3.83	0.26	—	0.04	205.00%
Sr	ICP-MS	ppb	1	15.00	<1.00	124.10	2.58	0.67	27.73	9.60%
Th	ICP-MS	ppb	0.02	<0.02	<0.02	0.14	0.02	0.086	0.01	20.79%
Ti	ICP-MS	ppb	0.01	0.56	<0.01	5.69	0.27	—	0.92	10.28%
Tl	ICP-MS	ppb	0.01	<0.01	<0.01	0.03	0.00	—	0.01	0.00%
U	ICP-MS	ppb	0.001	0.018	0.001	1.642	0.008	0.23	0.048	5.86%
V	ICP-MS	ppb	0.01	0.24	<0.01	1.66	0.19	—	0.33	18.11%
W	ICP-MS	ppb	0.1	<0.10	<0.10	0.60	0.14	—	0.05	18.21%
Y	ICP-MS	ppb	0.001	0.067	0.001	0.728	0.016	—	0.135	7.49%
Zn	ICP-MS	ppb	0.5	3.68	<0.50	37.76	5.60	26.3	3.72	33.47%
Zr	ICP-MS	ppb	0.1	0.14	<0.10	5.25	0.41	—	0.23	257.61%
La	ICP-MS	ppb	0.001	0.107	0.001	1.437	0.035	—	0.287	6.17%
Ce	ICP-MS	ppb	0.001	0.147	0.001	3.044	0.050	—	0.359	6.52%
Pr	ICP-MS	ppb	0.001	0.026	0.001	0.384	0.010	—	0.067	6.69%
Nd	ICP-MS	ppb	0.003	0.098	<0.003	1.477	0.031	—	0.261	7.60%
Sm	ICP-MS	ppb	0.001	0.018	0.001	0.268	0.010	0.05	0.055	8.52%
Eu	ICP-MS	ppb	0.001	0.005	0.001	0.059	0.002	0.32	0.011	18.06%
Gd	ICP-MS	ppb	0.001	0.018	0.001	0.264	0.008	—	0.042	11.56%
Tb	ICP-MS	ppb	0.001	0.002	0.001	0.031	0.002	—	0.005	14.17%
Dy	ICP-MS	ppb	0.001	0.011	0.001	0.131	0.005	—	0.023	10.91%
Ho	ICP-MS	ppb	0.001	0.002	0.001	0.023	0.001	—	0.005	15.54%
Er	ICP-MS	ppb	0.001	0.006	0.001	0.075	0.005	—	0.013	16.61%
Tm	ICP-MS	ppb	0.001	0.001	0.001	0.009	0.001	—	0.002	26.94%
Yb	ICP-MS	ppb	0.001	0.006	0.001	0.068	0.006	—	0.012	16.37%
Lu	ICP-MS	ppb	0.001	0.001	0.001	0.009	0.001	0.93	0.002	27.07%

[1] ICP-MS = Inductively Coupled Plasma – Mass Spectrometry
[2] MDL = Method detection limit
[3] n = 1401 (does not include pulp duplicates or certified reference materials)
[4] Analytical precision +/- to the 95% confidence level, based on 73 duplicate pairs
[5] SLRS-4 = National Research Council, St. Lawrence River Standard-4: certified reference standard

Table 2. Summary of elements including estimates of precision, Sturgeon Lake–Wabigoon Lake study area lake water data set.

Out of 73 duplicate pairs submitted for FA/ICP-MS, 63 pairs returned Au values below the method detection limit of 0.9 ppb. The remaining 12 pairs returned values at or near the detection limit with poor corroboration between associated duplicates, and a resulting estimate of precision of 1.12 ppb at the 95% confidence interval.

Through the entire data set, 71 out of 1068 (7%) submitted for FA/ICP-MS returned values above detection limits, while only 27 out of 1147 (2%) were greater than the INAA detection limit. As a result, the Au data presented is considered qualitative and should be viewed with some caution, giving consideration to other factors which may lend credibility to the presence of an anomaly.

PLATINUM AND PALLADIUM BY FIRE ASSAY (FA/ICP-MS)

As with Au by FA/ICP-MS, most of the Pd and Pt analyses were below the method detection limits. For the Pd data set, 9% of the 1014 samples analyzed returned values above the detection limit of 0.9 ppb. Of the 73 duplicate pairs analyzed, 69 were below detection limits in both members of the pair.

The Pt data set was slightly better with 33% of samples analyzed returning values above detection limits, though many of those results were at or slightly above the limit. Of the 73 duplicate pairs, 15 returned values above the limit for both members of the pair, while another 19 sets returned one value above and one below the detection limit. Using these analyses for the calculations resulted in an estimate of precision of ±0.38 ppb for Pt. Two areas in the Pt data set may contain artificially elevated values. Standards between 01-DFR-0310 and 01-DFR-0470 appear to be elevated by about 0.5 ppb, with a corresponding elevation in the "unknown" population. Also, one standard (01-DFR-1430) is significantly higher than the rest of the standards (9.43 ppb), and there is a corresponding spike in a number of "unknown" samples in this area. Any Pt anomalies in this range up to 01-DFR-1490 may be spurious, and should be viewed with caution.

Geochemical Data Interpretation

Factors to consider when assessing the possible significance of an anomaly include:

1) Correlation with geology

In mineral exploration, correlation with geology is the most important factor when assessing the significance of a surficial geochemical anomaly, however, its relative importance declines as the known level of detail of the geology declines. Many of the geochemical anomalies discussed will help focus and prioritize future geological investigations.

2) Multi-site anomalies

Multi-site anomalies provide separate verification of the "anomalousness" of a given area and provide some insurance against non-systematic errors in sample quality, collection, preparation or analysis. However, as samples are collected, prepared and analysed in sequence, a uniform and numerically sequential anomaly may be the result of a systematic analytical or sample preparation error. This may produce an apparent geographic grouping of uniform concentrations in one, or possibly several, elements. As mentioned above, every effort has been made to detect this kind of problem but the user is reminded to consider all available data when assessing the importance of an anomaly.

3) Multi-element anomalies

Multi-element anomalies with geologically reasonable elemental assemblages are useful in assessing the importance of many anomalies. For example, Pt and Pd, which are relatively immobile in the surficial environment compared to base metals such as Cu, Cr, Ni, Pb and Zn, would not be expected to be found in anomalous levels in lake sediment without an accompanying base metal signature. Gold on the other hand, can occur in quartz vein deposits with little or no associated base metals; therefore, a gold anomaly by itself can be significant. A gold anomaly with an associated base metal signature may be even more significant. However, certain multi-element anomalies (e.g., Mo + Zn) can sometimes result from limnological factors (e.g., redox conditions related to deep lakes, relative level of organic material in the sediment).

4) Magnitude of the anomaly

The magnitude of an anomaly, perhaps surprisingly, is one of the least important assessment criteria. Magnitude depends not only on the size of a deposit but on its distance from the lake, the presence and effectiveness of sinks between the source and lake, the limno-geochemical conditions in the lake, the weatherability of the deposit and the nature of the surficial deposits (i.e., level of carbonate). The weatherability depends on factors such as exposure and/or depth of burial and specific mineralogy of the source. These factors combine to make magnitude an unreliable estimate of the importance of an anomaly except in extreme cases or in cases where multiple samples and/or media corroborate its importance.

5) Correlation with Surficial Geology

Unconsolidated deposits can, under certain circumstances, cause a greater impact on the chemistry of lake media than can bedrock. Carbonate-rich eskers and thick ice-contact stratified drift deposits often result in nearby lakes having relatively hard, alkaline waters. This type of lake water provides a geochemical matrix for trace elements which is very different to that of most shield lakes which are mildly acidic and organic-dominated. In general, most metals are relatively immobile in such alkaline conditions, therefore geochemical anomalies might be considered more significant and possibly relatively close to source.

Dilution or addition to the trace metal signature in sediments can occur due to the presence of fine-grained unconsolidated material such as clay. Often a spatial relationship can be seen between lake sediment anomalies and glaciofluvial deposits such as eskers. In general, the sample collection and preparation protocols employed by the OGS, when properly carried out, minimizes the deleterious effects of exotic inorganic materials which may be present in the survey areas.

6) Redox conditions, lake depth and organic content

Not all spatial trends in geochemistry are due to lithological or mineralogical factors. The solubility of trace metals depends to a large extent on the geochemical matrix and in particular, on pH and oxidation-reduction (redox) conditions. Redox conditions in a lake are usually controlled by thermal conditions which, in turn, are controlled by lake morphology and lake depth. If conditions are suitable for an element to preferentially partition into the lake sediment, factors that may influence (enhance) the concentration of the element include the abundance of Fe, Mn and organic material. The mechanisms that may lead to "false anomalies" include sorption (scavenging) by hydrous oxides of Fe and Mn and the affinity of some elements to form organo-metallic complexes. Enrichment of some elements in the shallow (surface to 10 cm deep) sediment due to the upward migration and precipitation/concentration of Fe and Mn (and other trace elements such as Co, Pb, Mo and Zn originally co-precipitated with Fe and Mn) can occur. The OGS sampling technique avoids the surface sediment and targets the deep (>20 cm) sediment thereby reducing/minimizing the effects Fe, Mn and base metal enrichment that may occur in the surface sediment, whether by redox cycling or by anthropogenic input. This assumes a similar sedimentation rate in all of the sampled lakes and that the lake sediments deposited over the past several hundred years being undisturbed. This may not always be true. Sedimentation rates can vary depending on the energy of and the input to the depositional environment. Other factors to consider are sediment slumpage/mudslides, the effects of wavebase and the activities of animals. Therefore, the inadvertent collection of some "mixed" (shallow and deep sediment) samples is unavoidable.

Discussion of Regional Patterns

LIMNOLOGICAL PARAMETERS

Values for pH in the study area range from 4.27 to 8.71, with an average of 6.37 (Appendix A). In general, alkaline pH values tend to predominate in areas consisting of metavolcanic or metasedimentary bedrock, while acidic pH values are underlain mainly by granitic bedrock.

Electrical conductivity (EC) values range from <20 to 406 μS/cm, averaging 50 μS/cm (Appendix A). Most of the higher EC values (greater than the 95th percentile value of 120 μS/cm) are spatially associated with major fault systems in the survey area and may reflect pervasive hydrothermal alteration of the surrounding bedrock. Values which fall between the 75th and 95th percentiles (65 to 120 μS/cm) are almost exclusively located in areas underlain by metavolcanic or metasedimentary bedrock, while those values which lie below the 75th percentile (65 μS/cm) are primarily underlain by granitic bedrock.

The highly anomalous EC values at 3 sites (628, 1137 and 1187) are almost certainly the result of anthropogenic inputs to the sites. Sites 628 and 1137 are both located immediately south of quarry operations producing railway ballast. Jackfish Lake (site 1187) is exposed to the Trans-Canada Highway along its western shore for a distance of about 1.5 km.

The average lake depth for the study area is 4.6 m, with the majority of lakes (>95%) having a depth of less than 12 m.

LAKE SEDIMENT GEOCHEMISTRY

The anomalies shown in Figure 4 and discussed in the following section are those which are of greatest interest to exploration. The selection is based not only on the geochemical results, but also takes into account such factors as the geology and regional geophysics. The following discussion is not exhaustive and the reader is encouraged to undertake further investigation.

Concentrations of a number of elements (particularly the lithophile elements) are higher in the Doré Lake and Sandybeach-Minnitaki lakes areas in the western half of the survey. The most likely explanation for this pattern lies with the distribution of surficial materials across the survey area. Glacial deposits in the area shift from mainly localized till, esker and moraine deposits in the east to extensive glaciolacustrine deposits of glacial Lake Agassiz in the west.

These glaciolacustrine deposits consist mainly of clay minerals and very fine-grained chemically resistant quartz- and feldspar-rich minerals. There is a tendency for samples in these types of environment to have a lower LOI value (greater inorganic content), thereby suppressing the geochemical signature of most trace elements and presenting an enhanced signature for the lithophile elements (e.g., K, Mg, Cs, Rb). Many of the elements which are concentrated in the Sandybeach-Minnitaki and Doré lakes areas show a good negative correlation with LOI.

Proportional dot maps for LOI, lake depth, pH and electrical conductivity were plotted on a generalized bedrock geology map of the study area and are shown in Appendix A. Proportional dot maps of analytical results for Ag, Al, Au (FA/ICP-MS and INAA), Be, Ca, Cd, Co, Cr, Cs, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Pd, Pt, total REE, S, Sb, Ti, U, V, W and Zn are contained in Appendix B. Appendix C contains a listing of lake sediment analytical data for a selection of elements (LOI, Ag, Au, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Pd, Pt, REEs, V and Zn). In this report, samples with less than 10% LOI (approximately 4% of the data set) were not included in the data used for the production of the geochemical dot plots in Appendix B. Samples with a low amount of organic matter tend to suppress the trace element signature due to the relative abundance of resistant quartz- and feldspar-rich material. Exceptions to this may include PGEs, which may show anomalous results in low-organic samples, especially when those samples were collected in the vicinity of mafic to ultramafic bedrock. All data, regardless of LOI value, has been included with the digital data released in conjunction with this report.

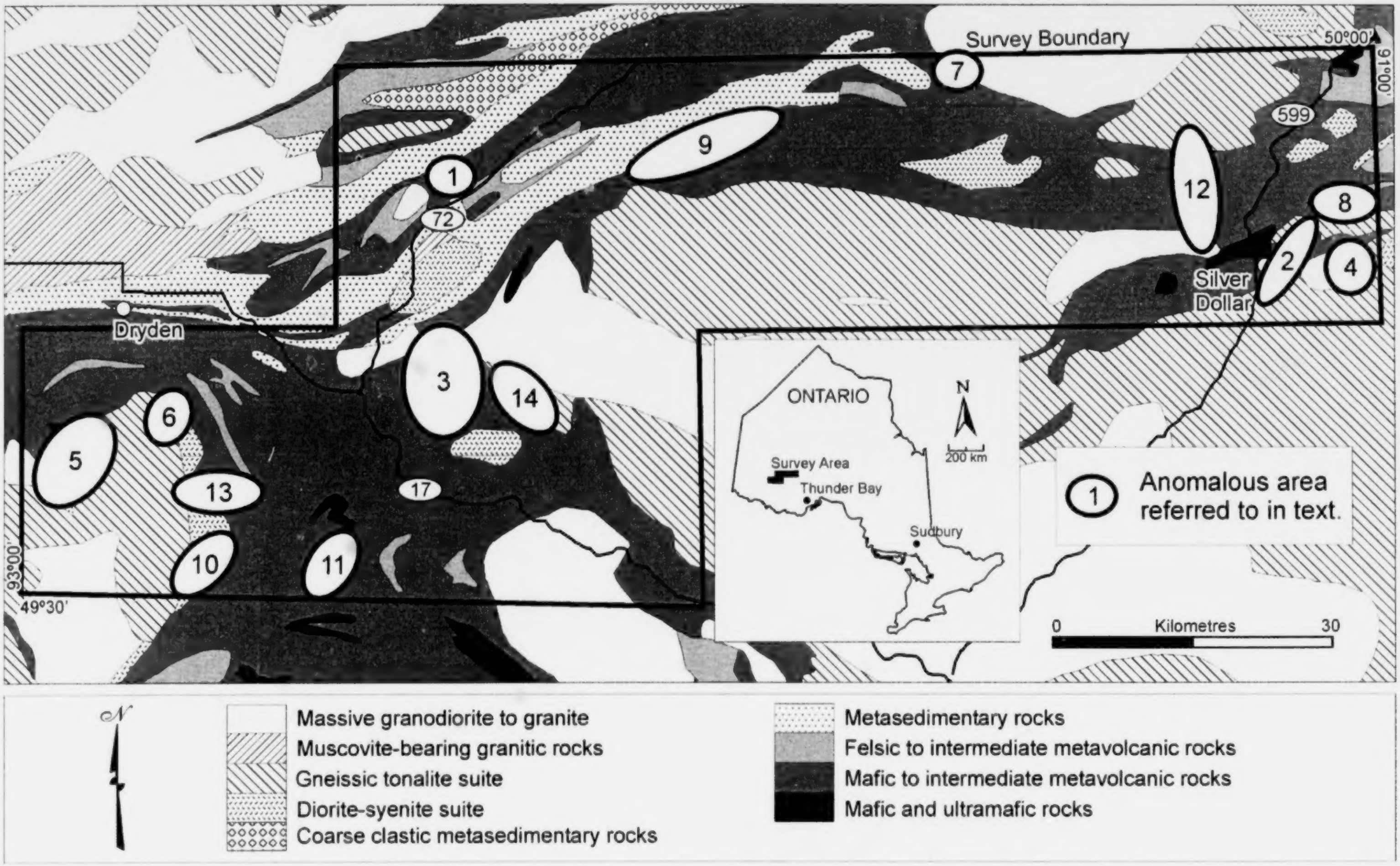
Survey Boundary
50°00'
91°00'
93°00'
49°30'
Dryden
Silver Dollar
1
2
3
4
5
6
7
8
9
10
11
12
13
14
17
72
599
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
1 Anomalous area referred to in text.
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

Figure 4. Location of geochemically anomalous areas.

For most elements, concentrations exceeding the 90th percentile of the data set are defined as "elevated", concentrations >95th percentile are "anomalous" and concentrations >98th percentile are "highly anomalous". In some cases, precision estimates prohibited using these cut-off levels, so readers are encouraged to consult the legend which is shown with each figure. Elemental concentrations of Au exceeding 6 ppb for both data sets are considered to be of interest. Gold anomalies should be viewed with caution as the FA/ICP-MS method has some inherent potential sources of contamination, including the flux and furnaces used.

As of November 2003, several of the areas discussed in this report were available for staking. The approximate state of land tenure for the study area is shown in Figure 5. Readers are referred to the Provincial Recording Office for an up-to-date and precise description of the availability of land for staking. Sites referred to in the following discussion can be found on the sample location map (Figure 6, back pocket).

Description of Anomalous Areas

Area 1: Maskinonge Lake area *Au (FA, INAA), As, Sb, Mo, W*

Sites: 999, 1001, 1002, 1004, 1005, 1006

This anomaly lies in a historical area for gold exploration, in and around the area known as the Goldlund Mines Limited property. This history and geology of this area is thoroughly discussed in Page (1984). Lake sediment results at site 1006, located approximately 1 km southeast of the former Newlund Mine site, returned highly anomalous values for Au by both neutron activation (21 ppb) and fire assay (15.25 ppb), as well as a highly anomalous W value (1.09 ppm). Hornbrook and Friske (1989) report a gold value of 103 ppb in lake sediments at this same location. The bedrock underlying this site is mapped by Page (1984) as felsic metavolcanic rocks with scattered small felsic to intermediate intrusions. These intrusions may be related to the albite trondhjemite dikes at the Newlund Mine site which play a key role in hosting the majority of the gold mineralization.

The remaining lake sediment sites are located approximately 6 km to the northeast of the mine site, and straddle the northeast-trending contact between mafic metavolcanic rocks and metasedimentary rocks, as well as the Little Vermillion Fault (Page 1984). Sites 1004 and 1005, located south of Maskinonge Lake, returned highly anomalous values for As and Sb; W and Mo were highly anomalous at site 1005; they were anomalous and elevated respectively at site 1004. As values were also anomalous at sites 999, 1001 and 1002, and W was anomalous at site 1002. These "pathfinder" anomalies may be representative of a favourable target for Au exploration in the area, particularly in shear zones or fractured areas related to the Little Vermillion Fault.

Area 2: Valora Lake area *Cu, Pd, Pt, Mo, Cd, As, Sb, W, ±Ag, ±Au (INAA)*

Sites: 1, 2, 39, 41, 43, 291-295, 346-349, 353, 365, 366, 368, 369, 371, 373, 375-381, 384-387, 389, 391, 393, 658, 661

Over 30 sites make up this elongate anomaly which extends for approximately 10 km from Beidelman Bay (Sturgeon Lake) in the north to Surprise Lake in the south. Of the 30 sites, there are 4 which are of particular interest.

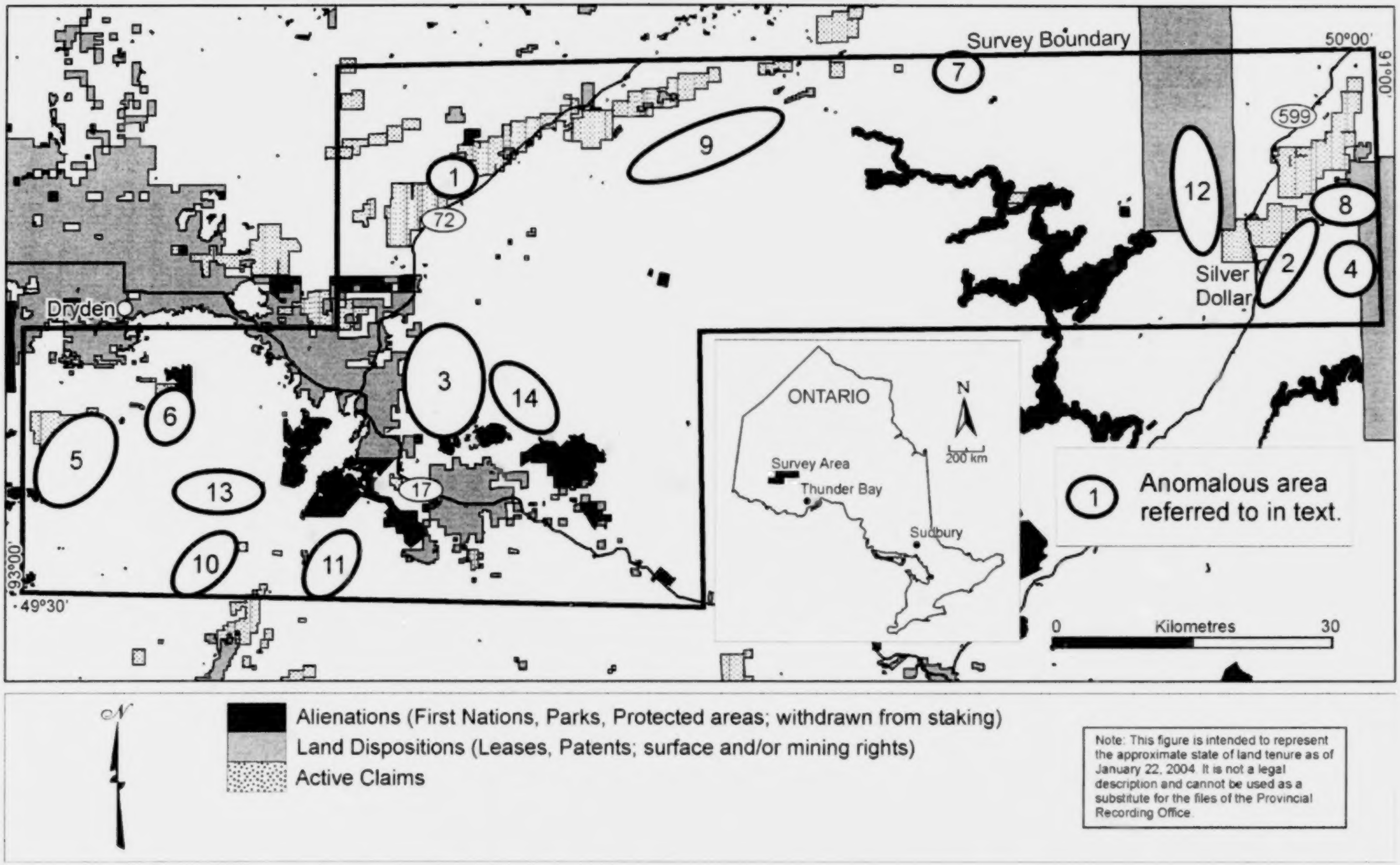
Survey Boundary
50°00'
91°00'
599
72
17
Dryden
Silver Dollar
1
2
3
4
5
6
7
8
9
10
11
12
13
14
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
1 Anomalous area referred to in text.
0
Kilometres
30
93°00'
49°30'
N
Alienations (First Nations, Parks, Protected areas; withdrawn from staking)
Land Dispositions (Leases, Patents; surface and/or mining rights)
Active Claims
Note: This figure is intended to represent the approximate state of land tenure as of January 22, 2004. It is not a legal description and cannot be used as a substitute for the files of the Provincial Recording Office.

Figure 5. Approximate land tenure of the Sturgeon Lake–Wabigoon Lake study arrea.

Sites 368 and 369 at the north end of the area returned highly anomalous values for Pd (2.98 and 6.39 ppb - highest in the survey), and elevated to anomalous (1.00 and 1.82 ppb respectively) values for Pt. Accompanying the PGEs were anomalous and weakly elevated Cu values (58 and 44 ppm), as well as highly anomalous values for Mo (5.87 and 5.63 ppm). Site 375, located about 2 km southwest of sites 368 and 369, returned a highly anomalous value for Cu (103 ppm), anomalous Pd (2.82 ppb), and elevated values for Pt and Ag (1.01 ppb and 0.2 ppm). To the south, site 294 on Net Lake returned highly anomalous values for Pd (3.06 ppb) and Mo (4.90 ppm), and elevated values for Pt (1.59 ppb) and Cu (51 ppm).

In addition, elevated and highly anomalous Cu and Pd values were returned from sites 366 and 347. Site 366 returned a highly anomalous value for Cu of 78 ppm and an elevated value for Pd of 2.12 ppb, while both elements were elevated at site 347 (50 ppm Cu and 1.94 ppb Pd). Site 381 had anomalous Pd (2.55 ppb) and elevated Pt (1.18 ppb) with no other elements of note. Site 393 had elevated Pd and Pt coupled with an anomalous value for Mo (3.74 ppm).

Three sites in this area returned Au values by INAA, 9 ppb (site 41), 11 ppb (site 1), and 19 ppb (site 295). None of these values were reproduced in the fire assay data set. However, the presence of other elements commonly associated with Au lends credibility to the results. Trowell (1974) reports trace gold values from quartz-tourmaline veins associated with the Beidelman Bay-Bell Lake pluton.

Other significant results include elevated to anomalous Ag at sites 39, 377 and 389 (0.18, 0.25 and 0.17 ppm respectively), elevated Cu at sites 365 and 377 (50 and 47 ppm), elevated to highly anomalous Mo at sites 2, 353, 373 and 376 (with the highest Mo value in the survey of 8.68 ppm at site 353), and elevated to highly anomalous Cd values ranging from 0.57 to 0.79 ppm at sites 39, 43, 291, 365, 373, 379 and 385.

Within this area, the most widespread elements are As, Sb and W. Elevated to highly anomalous results for As were returned from 22 sites, with values ranging from 5 ppm to the 2 highest in the survey at 50.4 ppm (site 368) and 90.4 ppm (site 2). Results for Sb were elevated (0.16 ppm) to highly anomalous (0.40 ppm) at 14 sites, and W vales were also elevated (0.24 ppm) to highly anomalous (2.03 ppm) at 13 sites.

This anomalous area extends south from an area known as the Beidelman Bay Cu-Mo occurrence, hosted in a silicified granodiorite-trondhjemite-quartz porphyry of the Beidelman Bay-Bell Lake pluton (Trowell 1974). The geology underlying the lake sediment anomaly consists of mafic to intermediate metavolcanic rocks, migmatite and monzonite-trondhjemite. A northeast-trending fault structure cuts through the area; this structure is intersected by several smaller west-trending faults to the northeast of sites 368 and 369. To the west of Net Lake, Trowell (1974) has mapped a small mafic intrusion. This area is covered by a regional northeast-trending deposit of glaciofluvial sand and gravel.

Area 3: MacFie-Avery Township area *Cu, S, Cd, Sb, Ag, Mo, ±Pd, ±Pt*

Sites: 903, 954, 1009, 1117, 1118, 1121, 1157-1161, 1163-1169, 1172, 1175-1177, 1181, 1182, 1496, 1497

This diffuse anomaly, primarily in Cu, extends from north of Melgund Lake in central Avery Township to McHugh Creek in central MacFie Township. Values for Cu are elevated to highly anomalous (49 to 204 ppm) at 24 sites, including the 2 highest values in this survey (204 ppm at site 903 near the MacFie-Avery township border and 151 ppm at site 1497 north of McHugh Creek). Results for S indicated 15 sites with elevated to highly anomalous values which plot in 2 discrete clusters: one in the immediate area around site 903 and the other in the vicinity of site 1164, north of Melgund Lake. Several sites in this area were sampled by the GSC (Hornbrook and Friske 1989), resulting in a subtle regional Cu anomaly similar to the one identified by the present data.

Six sites (1157, 1164, 1175, 1181, 1182 and 1496) returned elevated to highly anomalous values for Cd ranging from 0.60 to 1.04 ppm. Values for Sb were also elevated to highly anomalous at 6 sites (903, 1175, 1176, 1181, 1497, 1496).

Additional elements of significance include Ag, Mo, Pd and Pt. Analyses for Ag returned highly anomalous results at sites 1159 and 1497 (0.36 and 0.52 ppm), an anomalous result at site 1496 (0.24 ppm) and an elevated value (0.21 ppm) at site 1157. Results for Mo were highly anomalous at sites 1496 (4.19 ppm) and 903 (8.67 ppm - second highest Mo value in this survey), as well as elevated at site 1159 (2.50 ppm).

Site 1177 returned a highly anomalous value for Pd of 3.70 ppb combined with an elevated value for Pt (0.99 ppb). The result for Cu at this site was a highly anomalous value of 68 ppm. This site was also sampled by the GSC (Hornbrook and Friske 1989), who reported a Cu value of 72 ppm.

A short distance to the south of Area 3, site 1132 on Melgund Lake returned a value for Au (INAA) of 54 ppm. This value was not reproduced in the fire assay data set, nor does it correspond with the values reported in Hornbrook and Friske (1989). As well, the MNDM Mineral Deposits Inventory (MDI) database does not indicate any showings or occurrences in the area. It is most likely that this result is spurious, or results from the presence of an inhomogeneous detrital gold grain (i.e., the "nugget" effect).

Berger (1989) has mapped the bedrock geology of the area as a varying suite of mafic metavolcanic rocks (structured to massive flows, tuffs, schists, and breccias), interlayered with localized units of metagabbro. All of these rocks are contained within a northeast-trending fold structure, as well as at the margin of the Basket Lake batholith, a major regional felsic intrusion. The geochemical signature in this area is likely due to the presence of the metagabbro and may also represent the remobilization and concentration of Cu and S from the surrounding rock as a result of contact metamorphism with the Basket Lake batholith (B. Berger, Ontario Geological Survey, personal communication 2004).

Area 4: Bell Lake – Wish Lake area *As, Sb, Mo, Cu, Zn, Cd, Co, S, ±Au*

Sites: 298, 301, 302, 304-307, 309, 314, 318, 321, 322

While somewhat diffuse, this anomaly is focussed on sites 306, 307, 321 and 322. Site 306 returned highly anomalous As, anomalous S and Mo, and elevated Sb. Site 307 returned highly anomalous values for all 4 of those elements. On Wish Lake, site 321 returned a broader range of elements, with highly anomalous Cu and Zn (76 and 135 ppm respectively), anomalous Mo, Co and Sb (3.14, 15.76 and 0.22 ppm), and elevated values for Cd and As. This site also returned a value of 6 ppb for Au by INAA, but this value was not duplicated in the fire assay data set. Site 322, also on Wish Lake, returned elevated values for Cu (50 ppm), Zn (103 ppm), Co and As.

Results for As range from elevated to anomalous (5.5 to 7.8 ppm) at the remainder of the sites in this area. Site 298 also includes highly anomalous Mo (4.17 ppm) and S, while site 304 returned elevated Mo (2.4 ppm) and anomalous S.

Other noteworthy results in this area include elevated Mo at site 318 (2.56 ppm), elevated Zn at site 314 (109 ppm) and anomalous Cd at site 305 (0.65 ppm).

This area is underlain by felsic intrusive rocks consisting primarily of migmatite and granodiorite, and lies approximately 5 km to the southwest of the Bell Lake monzonite complex, which Trowell (1974) suggests may be comagmatic with the Sturgeon Lake alkalic complex, located several kilometres to the north. Bedrock lineaments are abundant in the area, as are a number of small faults (Trowell 1974). Surficial materials consist of a major esker complex which begins northeast of Bell Lake and continues southwest to Running Deer Lake.

Area 5: Doré Lake – Osbourne Bay area *Ni, Cr, V, Co, Pb*

Sites: 1373-1377, 1379, 1381, 1382, 1384, 1386-1391, 1393, 1425

This broad anomaly has a distinctly ultramafic signature, including the 4 highest Cr values in this survey, at sites 1381, 1382, 1389 and 1374. Two areas are of particular interest. In the Burr Lake area, site 1373 returned highly anomalous values for Ni (54 ppm), Cr (81 ppm) and Co (18.05 ppm), and anomalous levels of V (68 ppm) and Pb (10.66 ppm). Site 1374 was highly anomalous in Ni (54 ppm), anomalous in Cr (82 ppm), V (69 ppm) and Co (17.14 ppm), and elevated in Pb (9.34 ppm). Values for both Ni and Cr were anomalous (46 ppm and 71 ppm) at site 1375, along with elevated V and Co (60 ppm and 14.73 ppm). Finally, site 1425 returned highly anomalous Ni (54 ppm), anomalous Cr (67 ppm) and elevated V and Pb (58 ppm and 13.89 ppm respectively).

To the southwest, the most distinctive group of sites occurs in Osbourne Bay. Values for all elements listed at the beginning of this area description were highly anomalous at sites 1379, 1381 and 1382, including the 2 highest Cr values in the survey of 92 and 89 ppm at sites 1381 and 1382 respectively. Values ranged from 54 to 60 ppm Ni, 80 to 92 ppm Cr, 74 to 77 ppm V, 11.25 to 11.79 ppm Pb and 18.26 to 19.29 ppm Co.

Across the rest of the area, several other multi-element anomalies occur. Sites 1384, 1386, 1387 and 1389 yielded elevated to highly anomalous values for all elements listed at the top of this description. Site 1388 was anomalous in Ni, Cr and V, and elevated in Co. Site 1391 produced anomalous Pb values and elevated Ni and Cr. Results for Ni were anomalous at site 1377, combined with elevated values for Cr and Co. Anomalous Ni and elevated Cr were returned from site 1393 and site 1376 was anomalous with respect to V.

The bedrock geology of this area is composed of 2 different rock types. The predominant lithology consists of felsic intrusive rocks of the Atikwa batholith. The other unit is a mafic-ultramafic intrusion which occurs at the margin of the Atikwa batholith and the mafic metavolcanic rocks of the Eagle Lake greenstone belt. A number of fractures and lineaments are present in the felsic rocks which may be related to the mafic-ultramafic intrusive.

Area 6: Trap Lake area *Ni, Cr, V, Co, Pb, Cu*

Sites: 1336-1339, 1341, 1342

A total of 6 sites in this area show distinct similarities to the geochemical signature seen in area 5. All 6 sites returned highly anomalous values for Ni, including the 4 highest values in this survey (64 ppm at sites 1337 and 1339, and 63 ppm at sites 1338 and 1341). Sites 1336 and 1342 both returned Ni values of 54 ppm. Values for Cr were also highly anomalous (78 to 81 ppm) at 5 of the sites, with site 1342 returning an anomalous value of 73 ppm. Cobalt values ranged from elevated to highly anomalous (14.74 to 17.81 ppm) among all of the sites.

Values for V were highly anomalous at site 1336 (74 ppm), anomalous at sites 1337 to 1339 (64 ppm, 69 ppm and 64 ppm respectively), and elevated at site 1342 (60 ppm); results for Pb ranged from elevated (8.68 to 9.35 ppm) at sites 1337, 1339 and 1341 to anomalous at sites 1336 (10.45 ppm) and 1338 (10.34 ppm).

Sites 1336 to 1338 returned elevated values for Cu (49, 53 and 48 ppm respectively). Analyses for Zn returned a highly anomalous value at site 1342 (139 ppm), an anomalous value at site 1337 (112 ppm) and an elevated value at site 1336 (104 ppm).

The geology of this area is similar to that of Area 5. Most of the sites are underlain by a mafic-ultramafic unit which has intruded at the margin between the felsic Atikwa batholith and the mafic and felsic metavolcanic rocks of the Wabigoon Lake greenstone belt to the northeast. This area is also cut by an east-southeast-trending diabase dike.

Area 7: Discovery Lake area *As, Sb, Mo, S*

Sites: 481-484

Four sites on Discovery Lake make up this anomaly. At all 4 sites values for As are anomalous to highly anomalous and Mo values are elevated to anomalous. Antimony is elevated at sites 483 and 484, and S is elevated to anomalous at sites 482 to 484. These sites straddle the contact between folded and compressed mafic metavolcanic rocks and trondhjemitic rocks of the Lake of Bays batholith (Trowell et al. 1983). The presence of anomalous pathfinder elements coupled with extensive pyrite, chalcopyrite and pyrrhotite occurrences (Trowell et al. 1983), an intrusive contact, and the folded and highly compressed nature of the metavolcanic rocks is favourable for vein- and fracture-hosted Au mineralization in this area.

Area 8: Darkwater Lake area *Zn, Cd, ±Pb*

Sites: 5, 6, 8, 9, 14, 338, 339

Past exploration efforts in this area have focussed on base metals, including the discovery in 1969 of what became the Mattabi Zn-Cu-Pb-Ag mine (Trowell 1974). The mine site is located approximately 5 km east of this anomaly, just outside the survey boundary. Ore reserves were depleted in 1988, with the mine having produced 12.55 Mt at 8.28% Zn, 0.74% Cu, 0.85% Pb and 3.31 opt Ag (Morton et al. 1996).

Anomalous elements present in lake sediments are Zn and Cd, with highly anomalous Pb (14.92 ppm) occurring at site 14 only. Values for Zn are anomalous to highly anomalous (112 to 140 ppm) at 6 of the 7 sites (site 338 excluded) and Cd values range from elevated to highly anomalous (0.56 to 0.89 ppm) at sites 8, 9, 14, 338 and 339.

Sites 8, 9, 14 and 338 are upstream from the Mattagami Lakes Mines Ltd. "F" zone, while sites 5, 6 and 339 are located downstream. This VMS deposit was mined from 1981 to 1984 and produced 377 565 t at 9.51% Zn, 0.64% Cu, 0.58% Pb and 1.92 opt Ag (Morton et al. 1996).

The bedrock geology in this area has been mapped by Trowell (1974) as consisting of felsic metavolcanic rocks with extensive sulfide mineralization, carbonatization and shearing.

Area 9: Wabik Lake area *Cu, ±Cd, ±Zn, ±Mo, ±S*
Sites: 909, 912, 917-921

Values for Cu range from elevated to anomalous (48 to 63 ppm) at all of the sites in this area. Site 917 also returned an anomalous value for Mo (3.11 ppm), while site 918 returned a highly anomalous value for Zn (140 ppm), anomalous Cd (0.65 ppm) and elevated S. Site 912 was highly anomalous with regard to S.

Sites 909 and 918 were both sampled during the NGR lake sediment program (Hornbrook and Friske 1989). Copper values of 65 and 54 ppm were reported from the respective sites and a value for Zn of 217 ppm was reported for site 918.

The bedrock geology is mapped by Johnston (1972) as intermediate to mafic metavolcanic rocks (diorite, amphibolite and porphyritic basalt) with scattered quartz veining throughout the area.

Area 10: Prig Lake – Ukik Creek area *Cu, Sb, Mo, Ag, Au, Pb, S, ±Zn*
Sites: 1404-1406, 1442, 1448, 1449, 1452, 1454-1457

This area is characterized by a broad anomaly in Cu and Sb. In the Prig Lake area, Cu values are highly anomalous at sites 1454 (73 ppm) and 1457 (74 ppm), and anomalous at site 1455 (63 ppm). A value of 6 ppb for Au by INAA was returned from site 1457. This result was not reproduced in the fire assay data set, however the confidence of this anomaly is enhanced by the coincident suite of elements found, as well as the geological setting. Site 1454 also returned anomalous Sb (0.2 ppm) and elevated Mo (2.88 ppm). Site 1456 returned an anomalous value for Sb (0.19 ppm). Results for S were elevated to highly anomalous at all 4 sites in the Prig Lake area (sites 1454 to 1457).

Three sites in the Ukik Creek area form a second area of interest. Site 1405 returned 6 ppb Au (INAA), combined with highly anomalous Sb and Pb (0.30 ppm and 12.6 ppm) and anomalous Cu, Ag and Mo (65 ppm, 0.26 ppm and 3.52 ppm respectively). Sites 1404 and 1442 produced anomalous Cu (57 and 63 ppm), Mo (3.16 and 3.02 ppm) and elevated Sb (0.17 and 0.15 ppm). Sites 1404 and 1442 were highly anomalous and elevated in Ag (0.28 and 0.18 ppm).

Additional results in this area include site 1452 with anomalous Cu, Mo and Zn (67 ppm, 3.94 ppm and 114 ppm respectively), and elevated Sb. Site 1449 returned anomalous Pb (9.89 ppm) and elevated Sb and Ag (0.16 ppm and 0.18 ppm). Results for Sb were also anomalous at sites 1406 and 1448 (0.19 ppm each).

Bedrock geology underlying the Prig Lake area consists of a dioritic intrusion in contact with mafic metavolcanic rocks. A north-trending diabase dike cuts through the area. In the Ukik Creek area, the dioritic intrusion is in contact with the felsic intrusive rocks of the Atikwa batholith.

Area 11: Tobacco Lake area *Cu, Cd, Zn, S, As, Sb*
Sites: 1256, 1259, 1267-1278, 1281-1291, 1293, 1294

Elevated to highly anomalous values for S, As and Sb dominate in this area. Results for S are predominantly anomalous to highly anomalous at 20 sites over the entire area, while As values are elevated to highly anomalous with a somewhat even distribution over 14 sites. Antimony is anomalous at a number of sites in and around the south end of Tobacco Lake and highly anomalous at several sites southeast of the south end of Rock Lake. A total of 14 sites returned values which are elevated or higher in Sb.

In addition to S, As and Sb, site 1294, located about 500 m south of the south end of Tobacco Lake, returned a highly anomalous value for Cd (0.77 ppm) and anomalous levels of Cu (66 ppm) and Zn (122 ppm). Values for Cu ranged from elevated to anomalous (47 to 62 ppm) at an additional 6 sites (1256, 1267, 1269, 1271, 1276 and 1287), Cd values were anomalous at sites 1273 and 1275 (0.67 and 0.70 ppm respectively) and elevated at site 1272 (0.61 ppm). Results for Zn were elevated (107 ppm) at both sites 1267 and 1275.

This area was sampled by the GSC (Hornbrook and Friske 1989), with reported results for As and Cu producing subtle anomalies relative to background levels; these results are in agreement with those of the current survey. In stark contrast to the 10 km^2 area of highly anomalous values for Sb, the results published by the GSC for Sb do not indicate any appreciable levels in lake sediments.

Bedrock geology in this area consists of massive and pillowed mafic metavolcanic rocks. A large ultramafic intrusion lies along, and north of, the western shore of Tobacco Lake. All of these units have been subjected to regional compression from the northwest. The Manitou Straits Fault, a major fault structure in the Manitou Lakes greenstone belt to the southwest, extends northward into this area as far as Lost Lake. Rivet and Gibson (1981) indicate several magnetic conductors in this area and identify pyrite, chalcopyrite, pyrrhotite and arsenopyrite occurrences.

Area 12: Shanty Lake –Towers Lake area *Cu, Cd, Mo*

Sites: 144, 146, 154, 155, 156, 243, 395, 489, 619-623, 625

This anomaly covers 2 separate areas. To the south at Shanty Lake, Cu values are anomalous at sites 621 and 622 (63 and 61 ppm) and highly anomalous at site 619 (72 ppm). Values for Cd vary from elevated (0.62 ppm) to anomalous (0.73 ppm) at sites 395, 489, 619, 622 and 623. Sites 619 and 622 on Shanty Lake also returned anomalous (3.09 ppm) and elevated (2.47 ppm) values of Mo. To the southwest on Stake Lake, Mo values are highly anomalous (4.51 and 6.27 ppm at sites 625 and 243, respectively). Trowell et al. (1983) indicate a Mo occurrence at the northern outlet of Shanty Lake, as well as a Cu-Mo occurrence less than 500 m from the southeastern shore of Shanty Lake.

A number of sites in the Towers Lake area to the north show a similar geochemical signature to that of Shanty Lake. Sites 156, 146 and 154 returned anomalous to highly anomalous values for Cu (59, 64 and 82 ppm, respectively). Cd values were elevated to anomalous (0.56 to 0.70 ppm) at sites 144, 146, 154 and 155. Site 156 returned an anomalous value for Mo (3.48 ppm).

In addition to the elements mentioned, both the Shanty and Towers lakes locations show elevated to anomalous results for Y, W, P and Mn.

The Shanty and Towers lakes areas are located in similar geological environments, which consist of trondhjemitic plutonic rocks intrusively in contact with massive and porphyritic mafic metavolcanic rocks (Trowell et al. 1983). The similarities in geology and lake sediment geochemistry point to the Towers Lake area as a favourable target for "porphyry copper" mineralization similar to that at Shanty Lake.

Area 13: Godson Lake – Alston Lake area *Ni, Cr, V, Co, Nb*

Sites: 1303, 1306-1308, 1311, 1325, 1329, 1421, 1422

Up to 9 sites in this area returned elevated to highly anomalous values with an ultramafic-type signature. The 2 areas of greatest interest lie at either end of this anomaly, consisting of sites 1421 and 1422 on Godson Lake, and sites 1306 to 1308 on Alston and Humphrey lakes.

Site 1306 on Humphrey Lake returned anomalous values for Ni, Cr, V and Co (51 ppm, 73 ppm, 67 ppm and 16.91 ppm, respectively), and highly anomalous Nb (3.21 ppm). Site 1307 on Alston Lake also showed a similar response (50 ppm Ni, 73 ppm Cr, 66 ppm V, 16.98 ppm Co), but with elevated Nb (2.67 ppm). Site 1308, also on Alston Lake, returned highly anomalous results for Ni, Cr and V (58 ppm, 76 ppm, 72 ppm, respectively), anomalous Co (16.28 ppm), and elevated Nb (2.59 ppm).

To the west, site 1421 yielded anomalous levels of Ni (46 ppm) and Co (15.38 ppm), and elevated values for Cr, V and Nb (62 ppm, 63 ppm, and 2.73 ppm). Site 1422 was highly anomalous with regard to Co (17.22 ppm), anomalous in Ni, Cr and V (52 ppm, 72 ppm, and 71 ppm), and elevated in Nb (2.91 ppm).

Of the remaining sites in this area, Ni is anomalous (46 ppm) at 1311, and elevated at 1303 and 1325. Elements are elevated at the following sites: Cr at 1303, 1311, 1325 and 1329; V at 1311; Co at 1311 and 1325; and Nb at 1303, 1311 and 1325.

Bedrock geology underlying this area consists of mainly mafic metavolcanic rocks, with a dioritic-syenitic intrusion in the Godson Lake area. This intrusion extends from Trap Lake in the north (see Area 6) to south of Emmons Lake in the south (see Area 10). The metavolcanics are cut by a north-northeast-trending diabase dike, along with a number of small localized mafic and intermediate intrusions.

Area 14: Melgund Creek area *REEs, Y, ±Zr, ±Th*

Sites: 891, 892, 902, 1115, 1151, 1152, 1157, 1159

The lake sediment geochemical signature of this area is similar to that of the Strange Lake Y-Zr-Be-Nb-REE deposit in Labrador (Friske 1991). A broad anomaly in REEs and Y covers a portion of the Basket Lake batholith. REEs are highly anomalous across the area, with values ranging from 246 to 659 ppm, with the greatest concentrations at sites 1151 and 1152 (555 and 659 ppm). Values for Y range from anomalous to highly anomalous (15.95 to 21.79 ppm), including 2 highly anomalous results at sites 1151 and 1152 (19.26 and 18.82 ppm, respectively). In addition, site 1151 also returned highly anomalous values for Zr and Th (21.16 ppm and 14.61 ppm, respectively).

This area is underlain by granitic rocks of the Basket Lake batholith. Berger (1989) describes the main rock types in this area as a medium- to coarse-grained biotite rich granodiorite and a coarser grained biotite granite. Also identified are intrusive aplite dikes. Based on this description, this area shows some geological similarities to the Strange Lake setting (R. Miller, http://library.iem.ac.ru/can-min/vol34/cm2/miller.html, accessed January 2004).

Conclusions

Preliminary interpretation of the lake sediment analytical results for the Sturgeon Lake–Wabigoon Lake area indicates the presence of 14 anomalous areas. The anomalous areas are multi-element, multi-site anomalies, many of which are considered significant targets for further exploration activities. Some single element and/or single site anomalies may also warrant further investigation, particularly if they are located in regions of favourable geology or known mineral occurrences. The treatment of available data in this report is not considered to be exhaustive and the reader is encouraged to carry out further investigations.

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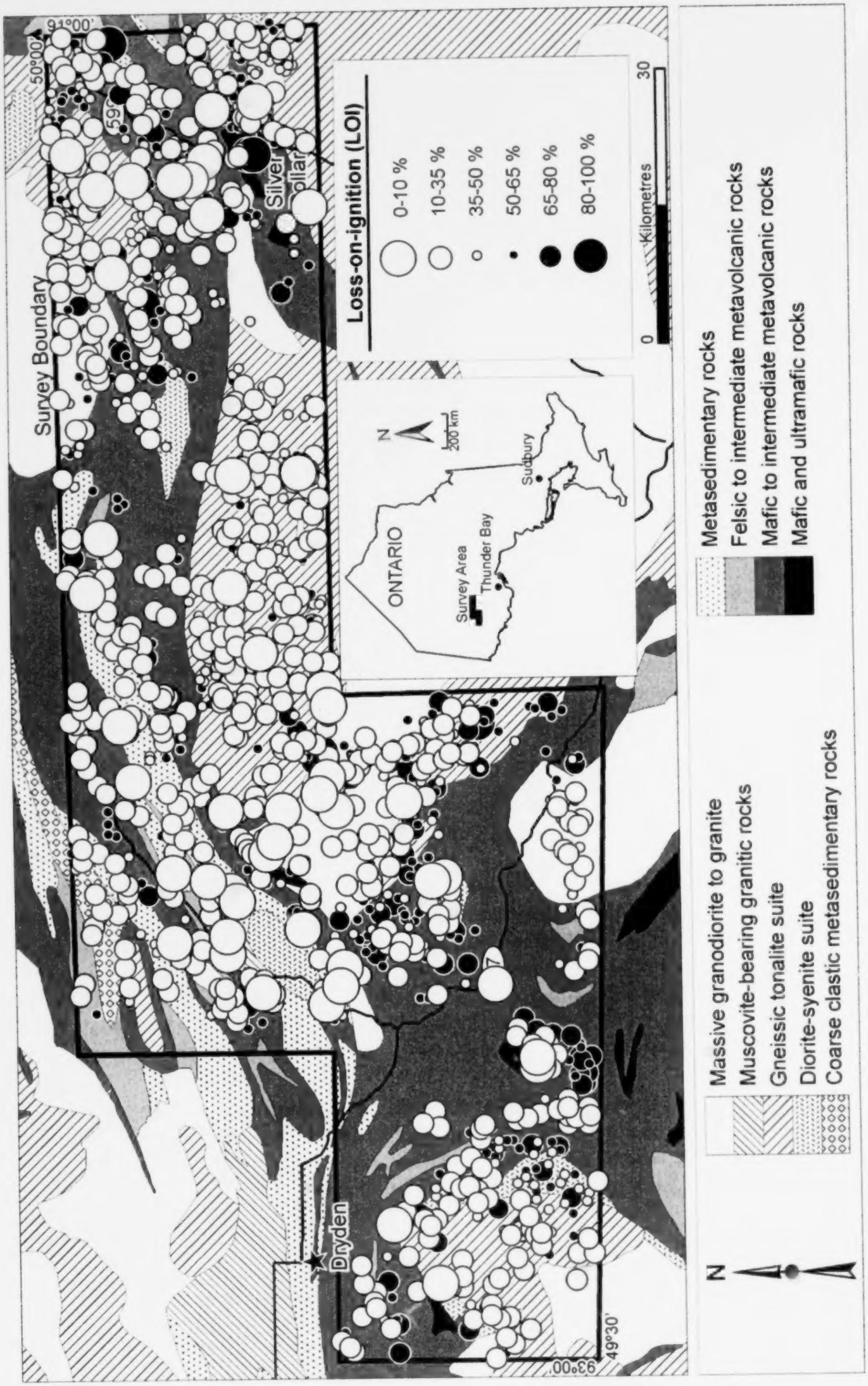
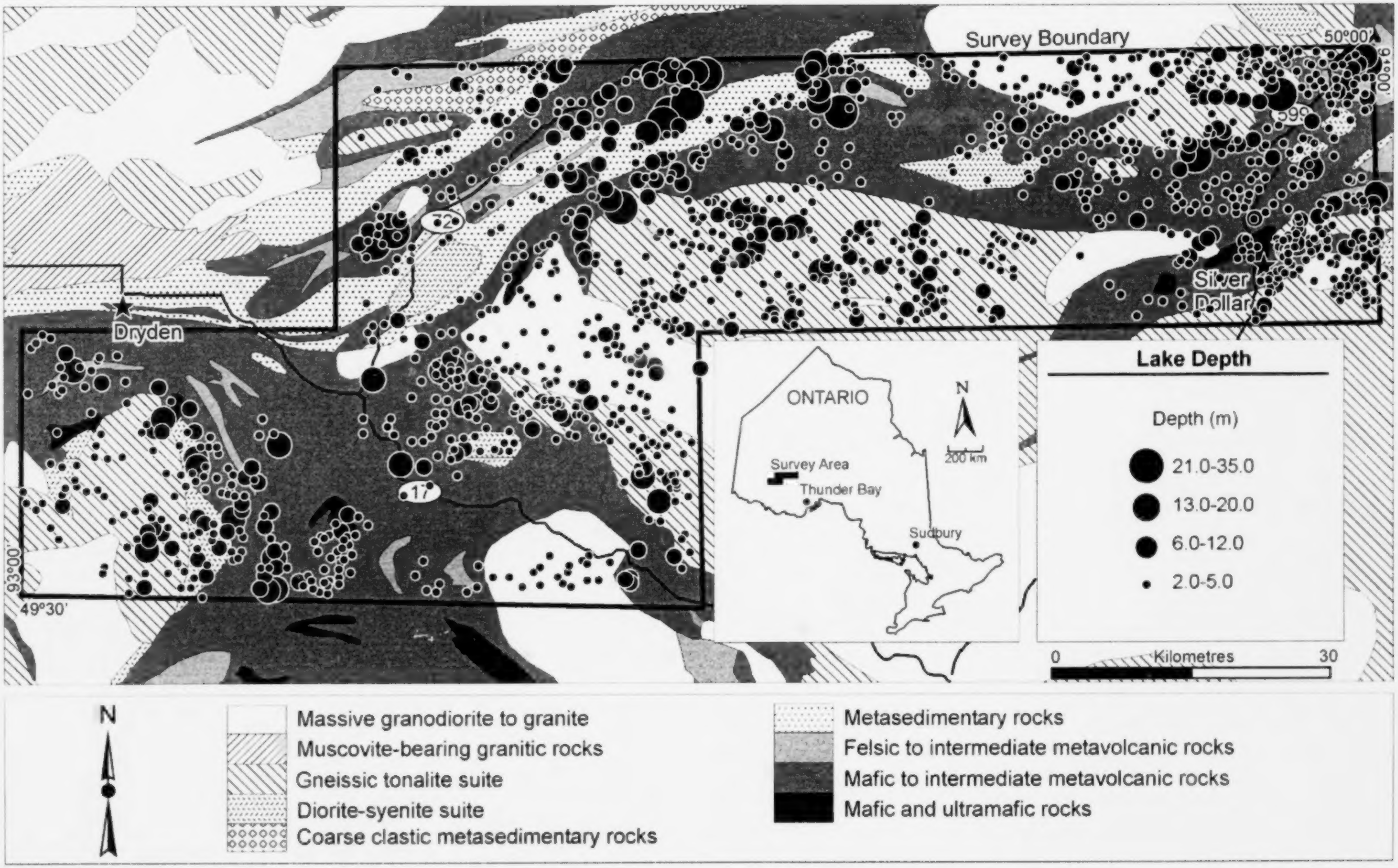
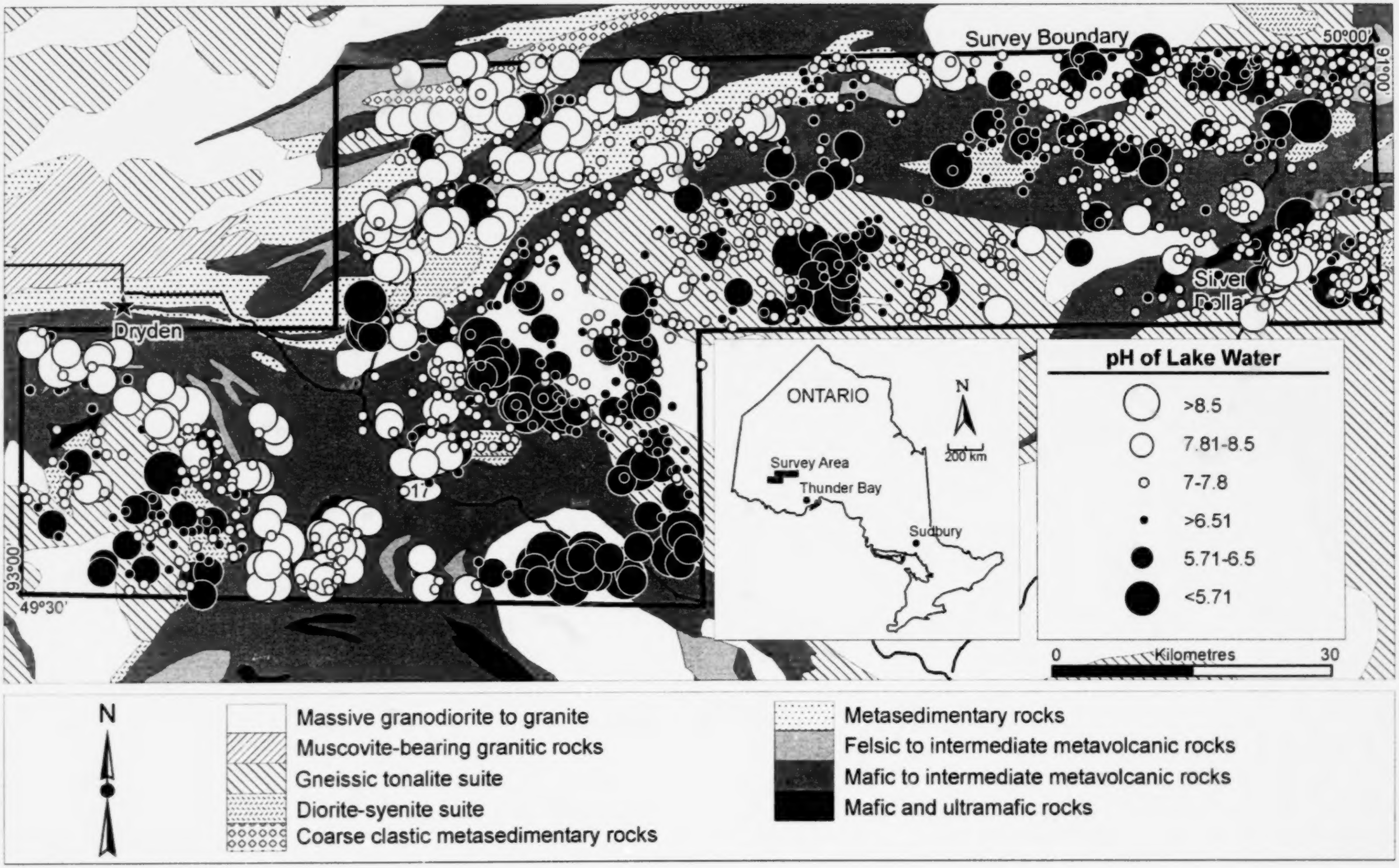
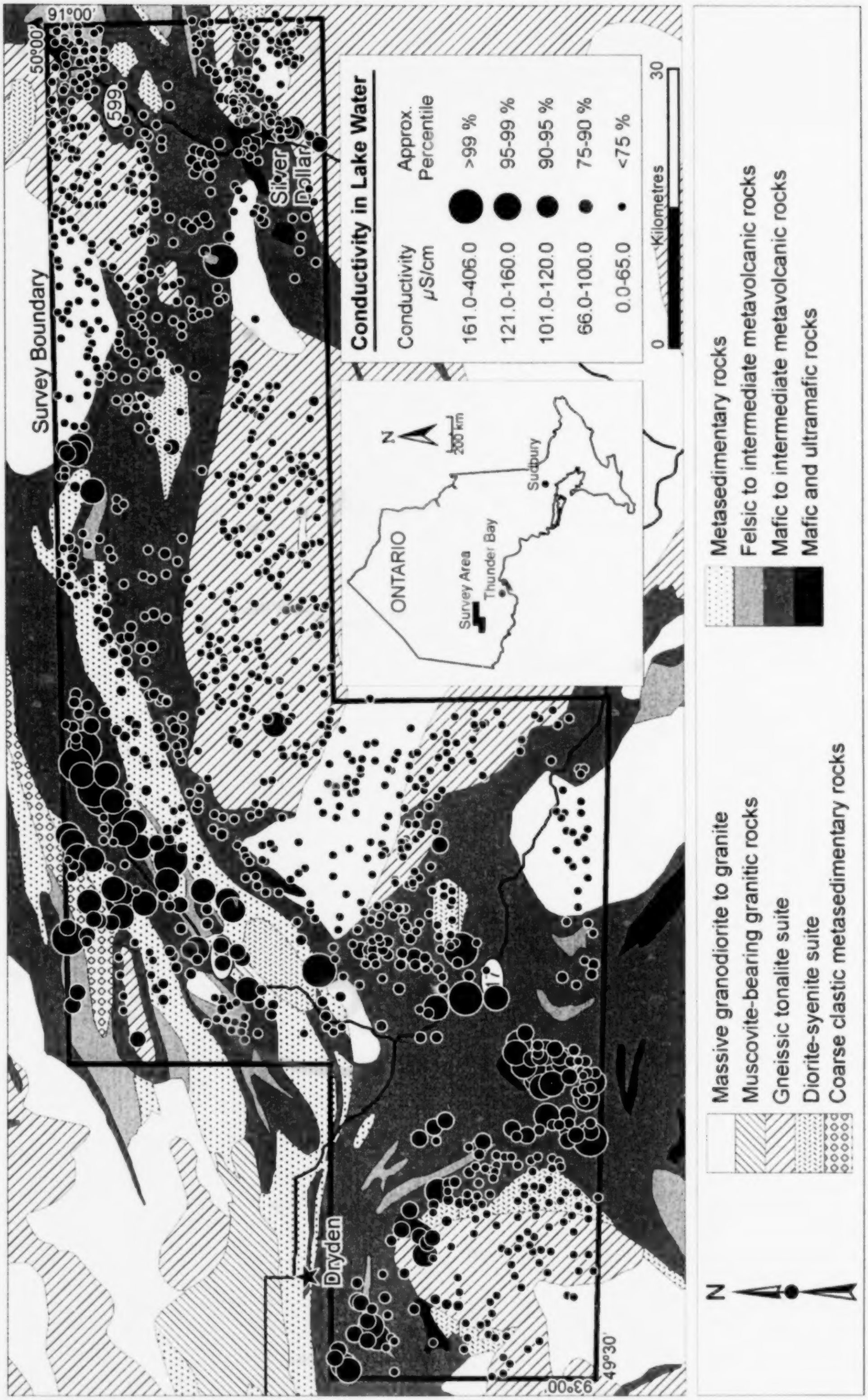
Appendix A

Proportional Dot Maps of LOI, Lake Depth, pH and Conductivity


Survey Boundary
50°00'
91°00'
59
Silver Dollar
Dryden
49°30'
93°00'
Loss-on-ignition (LOI)
0-10 %
10-35 %
35-50 %
50-65 %
65-80 %
80-100 %
0
30
Kilometres
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks


Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Lake Depth
Depth (m)
21.0-35.0
13.0-20.0
6.0-12.0
2.0-5.0
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks


Survey Boundary
50°00'
91°00'
93°00'
49°30'
Dryden
Silver Dollar
17
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
pH of Lake Water
>8.5
7.81-8.5
7-7.8
>6.51
5.71-6.5
<5.71
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks


Survey Boundary
50°00'
91°00'
49°30'
93°00'
599
Silver Dollar
Dryden
17
Conductivity in Lake Water
Conductivity µS/cm
Approx. Percentile
161.0-406.0
>99 %
121.0-160.0
95-99 %
101.0-120.0
90-95 %
66.0-100.0
75-90 %
0.0-65.0
<75 %
0
Kilometres
30
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

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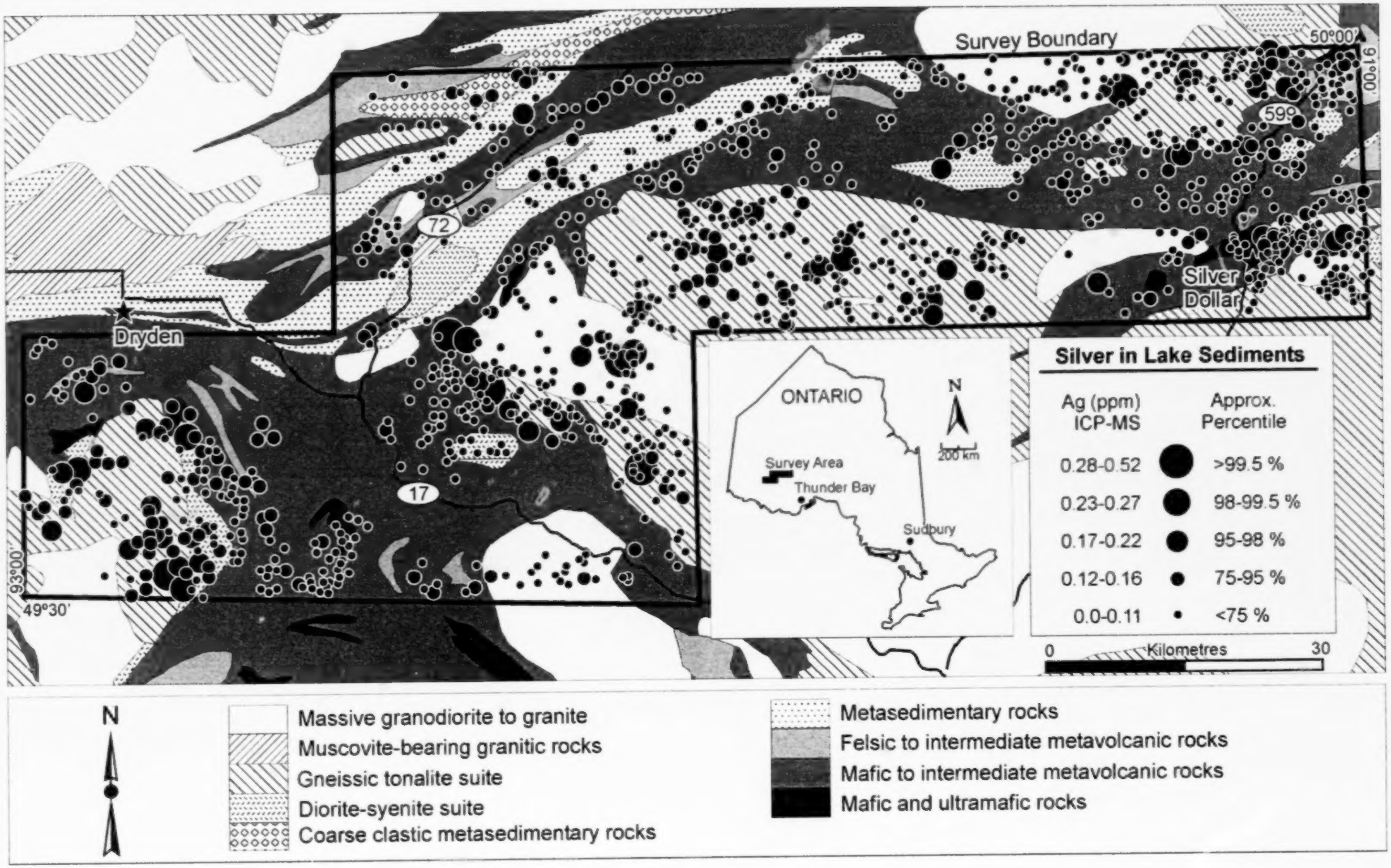
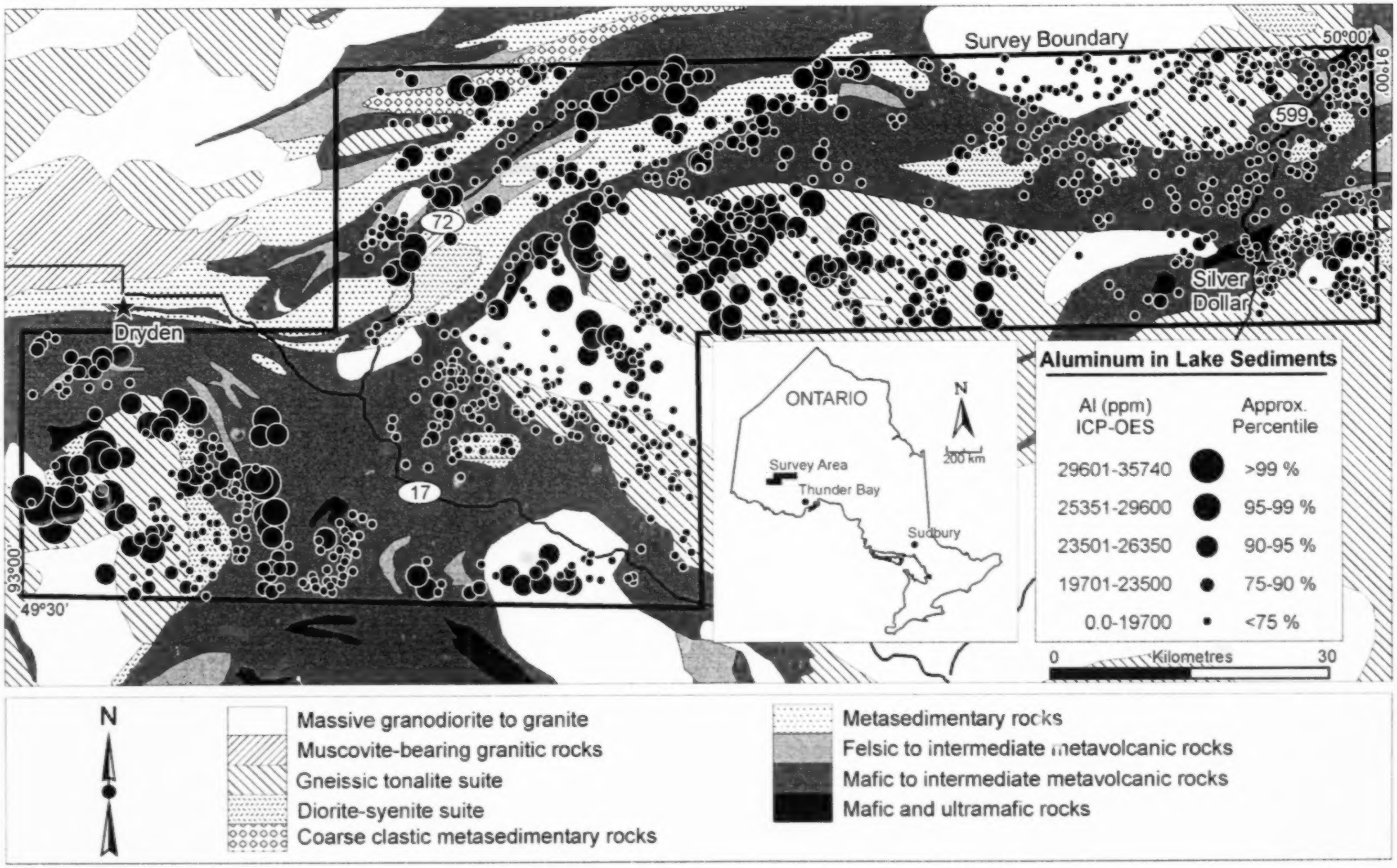
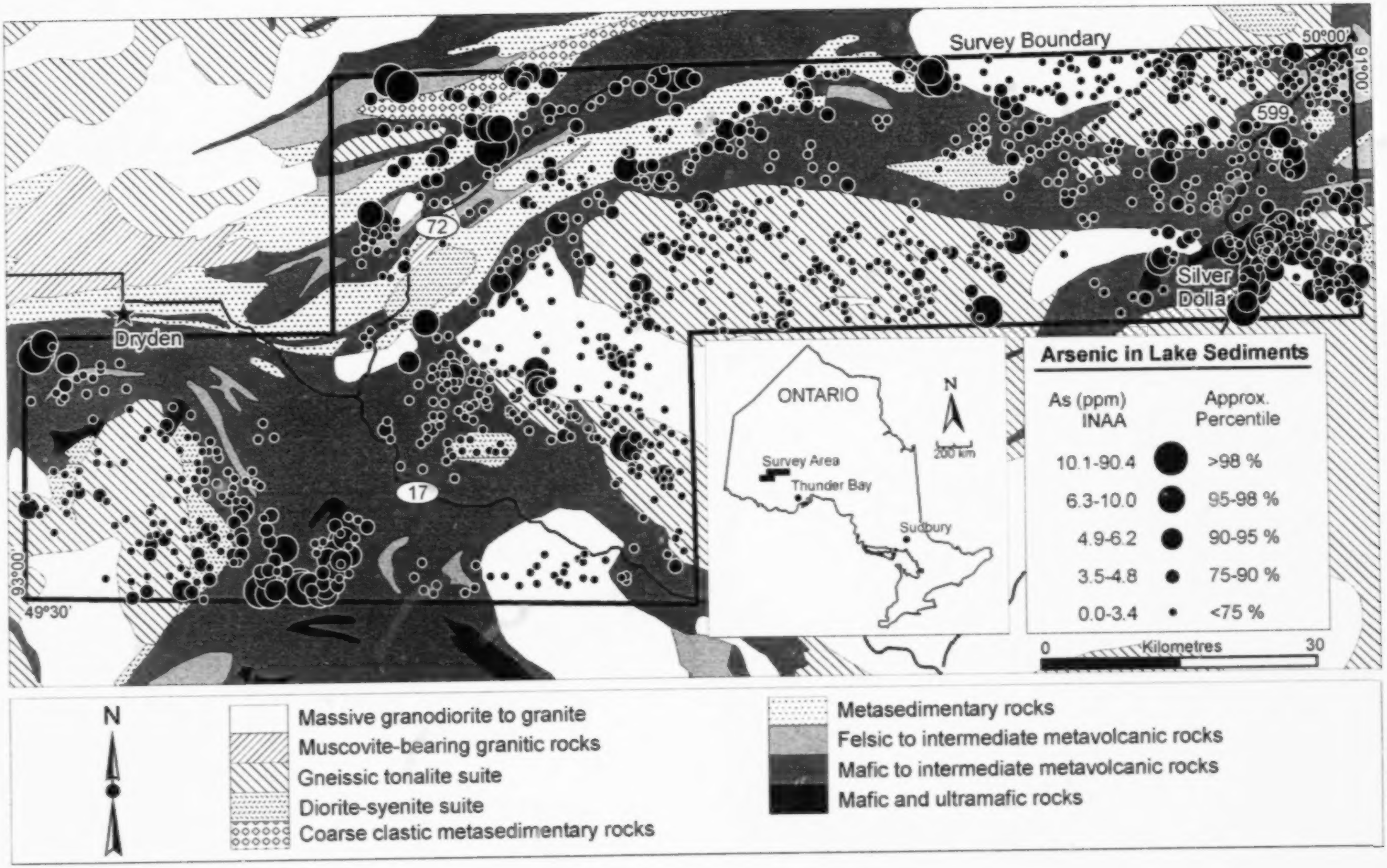
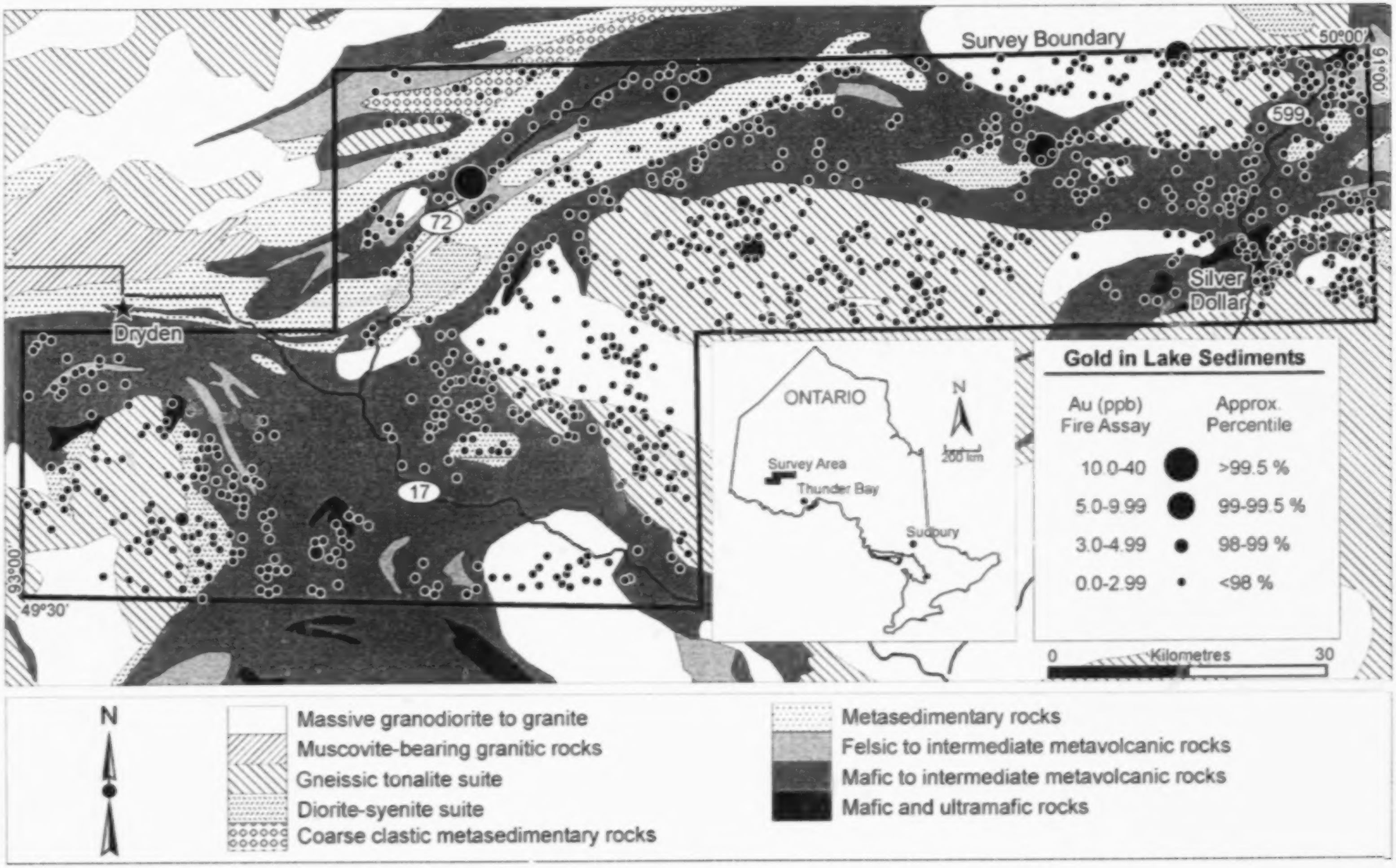
Appendix B

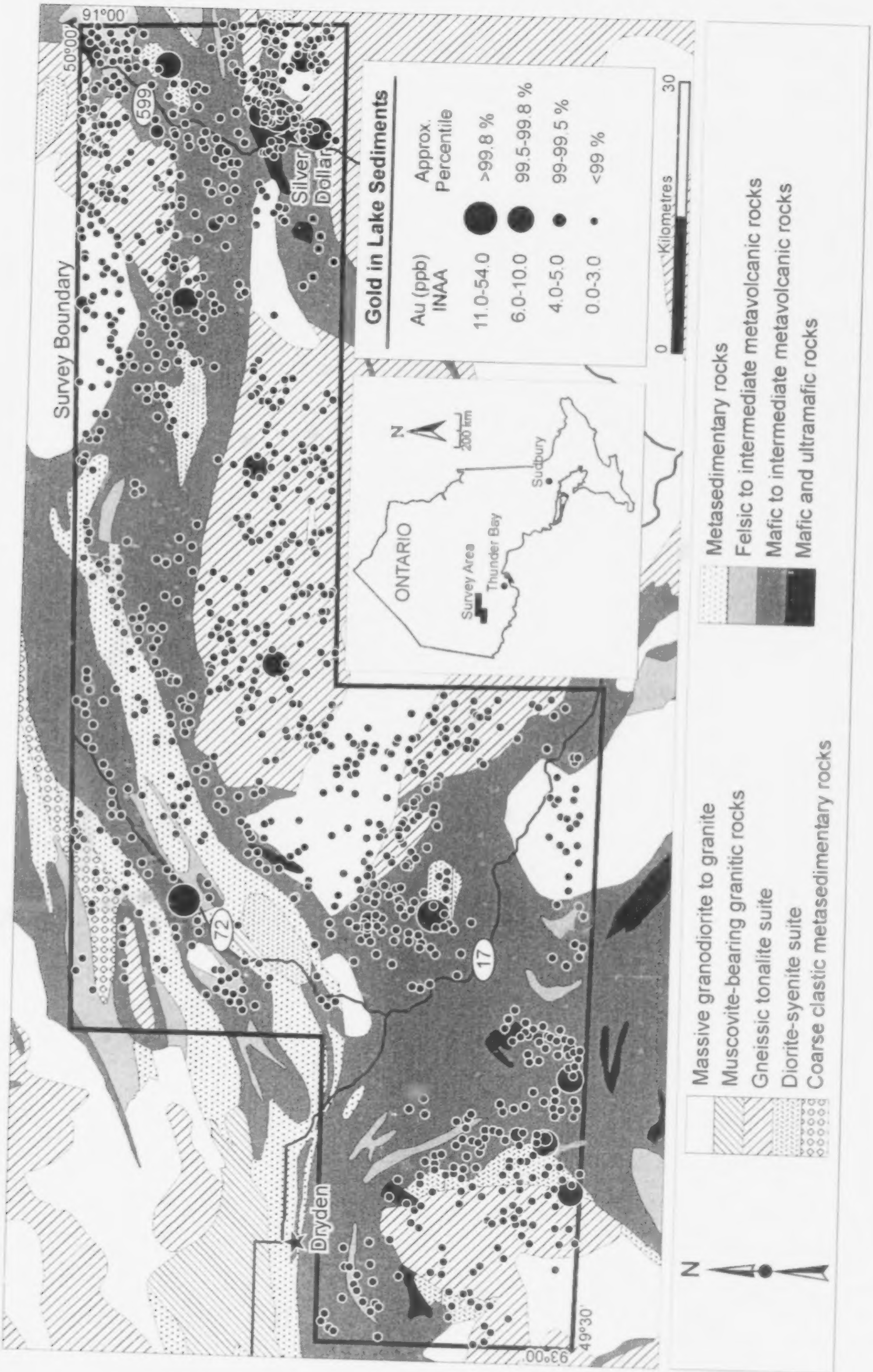
Proportional Dot Maps of Lake Sediment Geochemistry
for Ag, Al, As, Au (FA/ICP-MS and INAA), Be, Ca, Cd, Co, Cr, Cs, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Pd, Pt, total REE, S, Sb, Ti, U, V, W and Zn

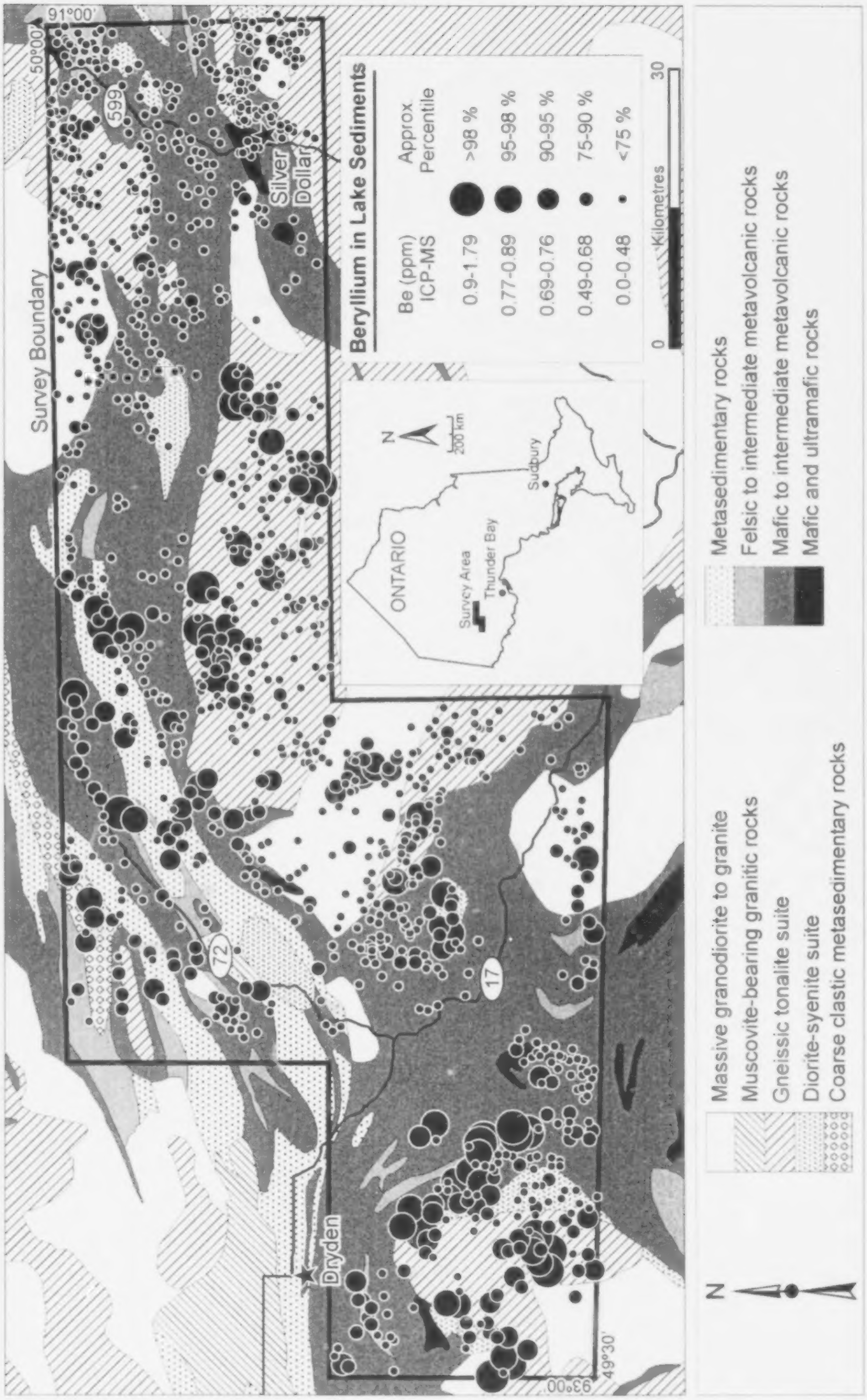

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Silver in Lake Sediments
Ag (ppm) ICP-MS
Approx. Percentile
0.28-0.52 >99.5 %
0.23-0.27 98-99.5 %
0.17-0.22 95-98 %
0.12-0.16 75-95 %
0.0-0.11 <75 %
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

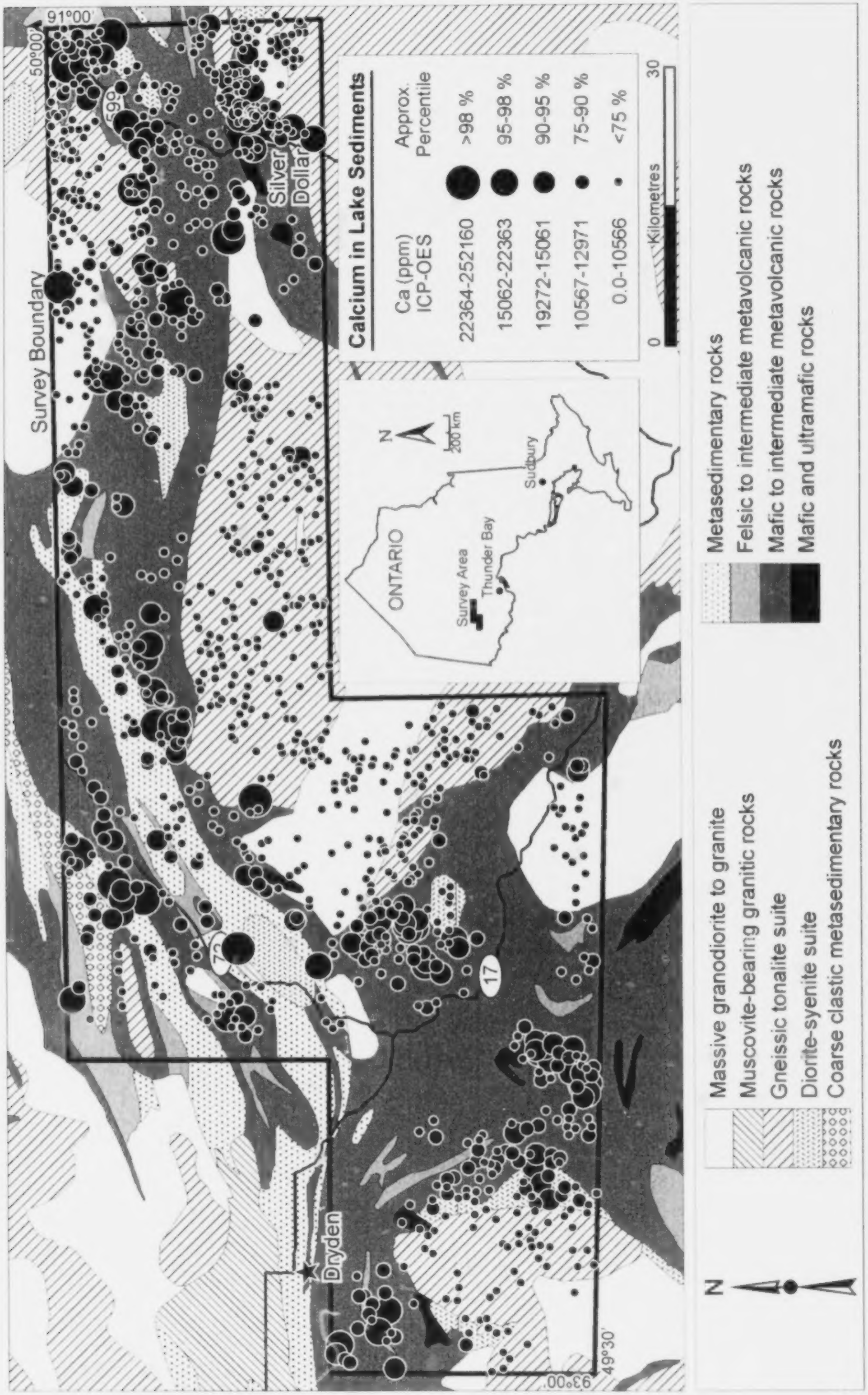

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Aluminum in Lake Sediments
Al (ppm) ICP-OES
Approx. Percentile
29601-35740 >99 %
25351-29600 95-99 %
23501-26350 90-95 %
19701-23500 75-90 %
0.0-19700 <75 %
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

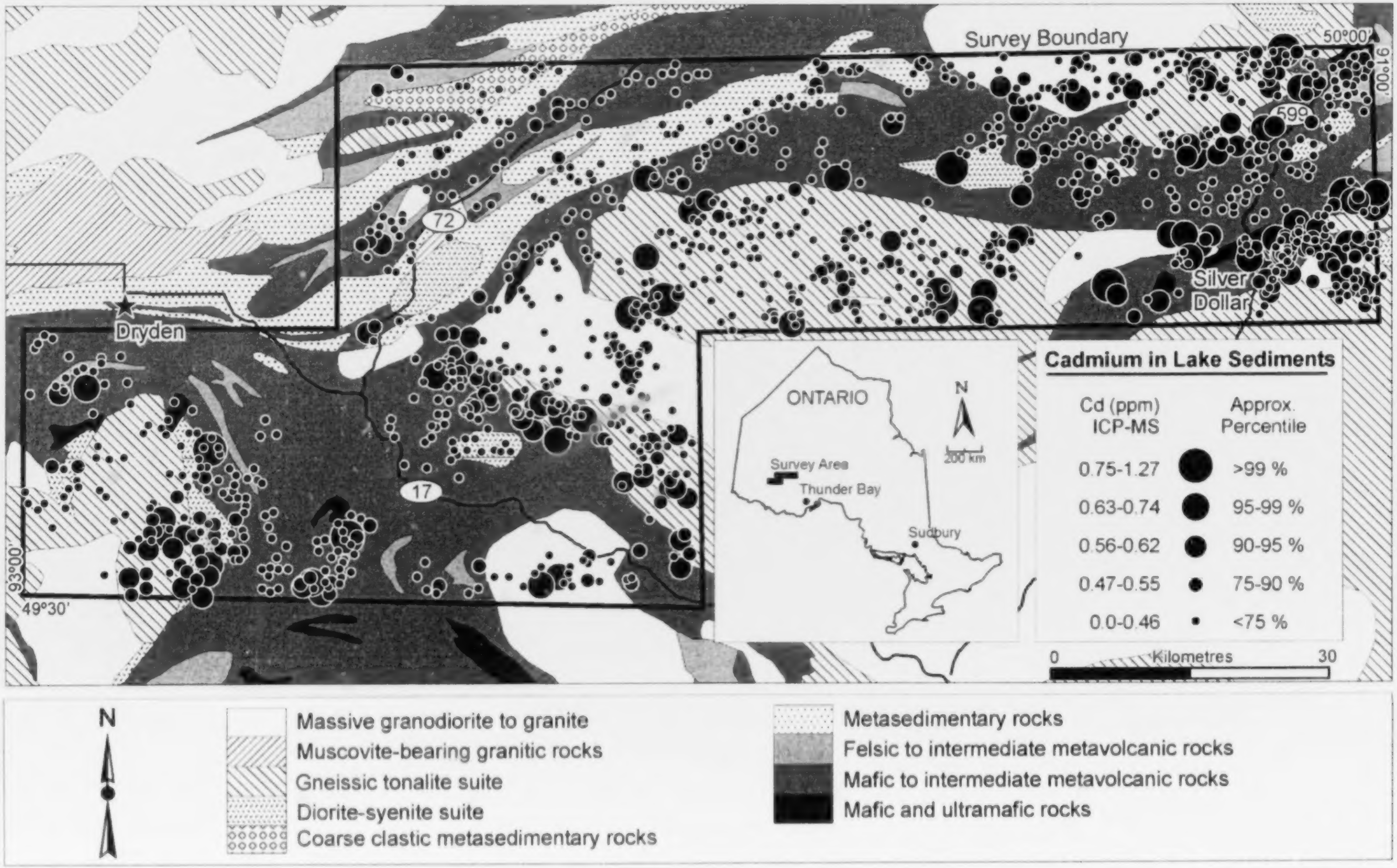

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Arsenic in Lake Sediments
As (ppm) INAA
Approx. Percentile
10.1-90.4 >98 %
6.3-10.0 95-98 %
4.9-6.2 90-95 %
3.5-4.8 75-90 %
0.0-3.4 <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

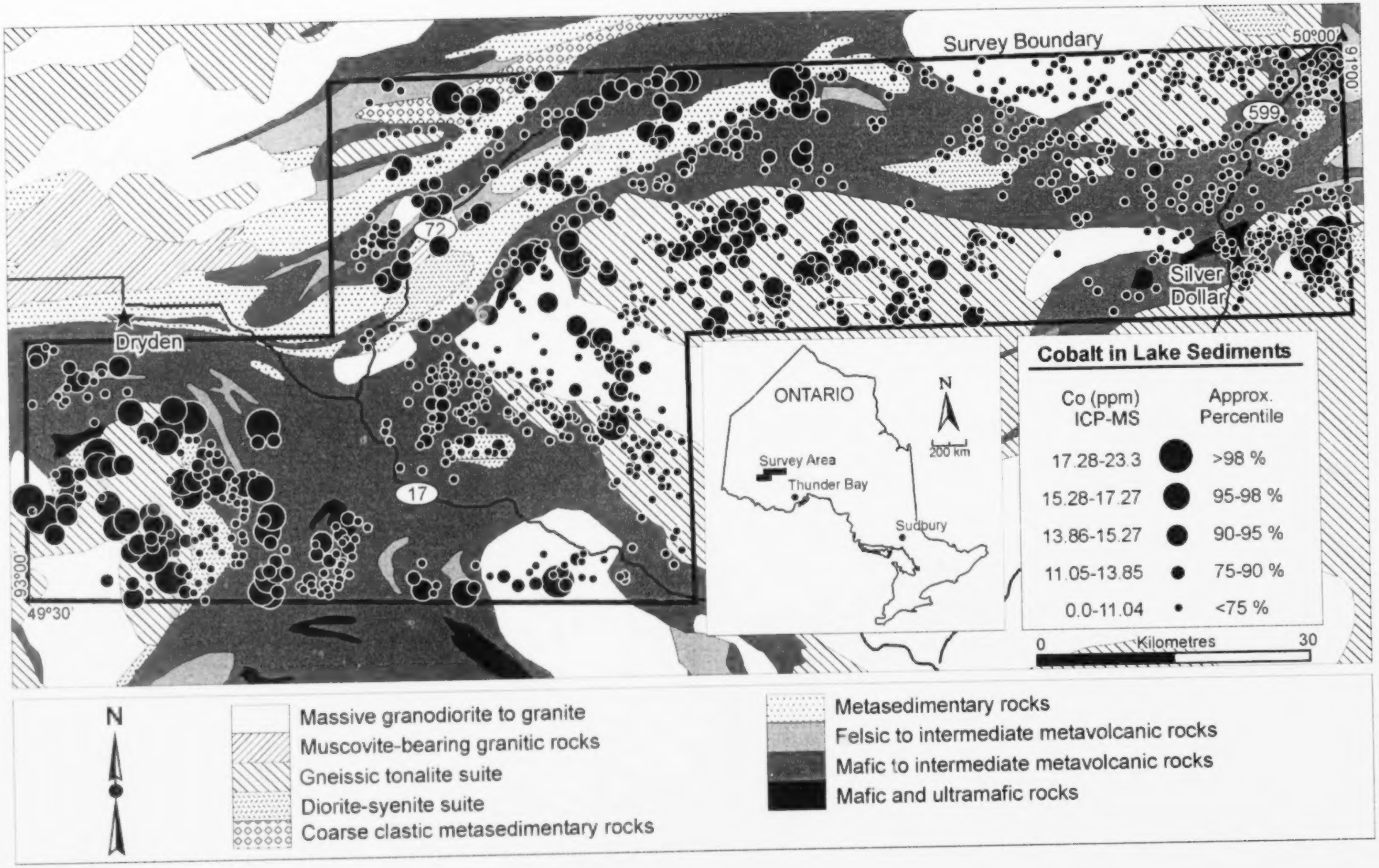

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
Gold in Lake Sediments
Au (ppb) Fire Assay
Approx. Percentile
10.0-40 >99.5 %
5.0-9.99 99-99.5 %
3.0-4.99 98-99 %
0.0-2.99 <98 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

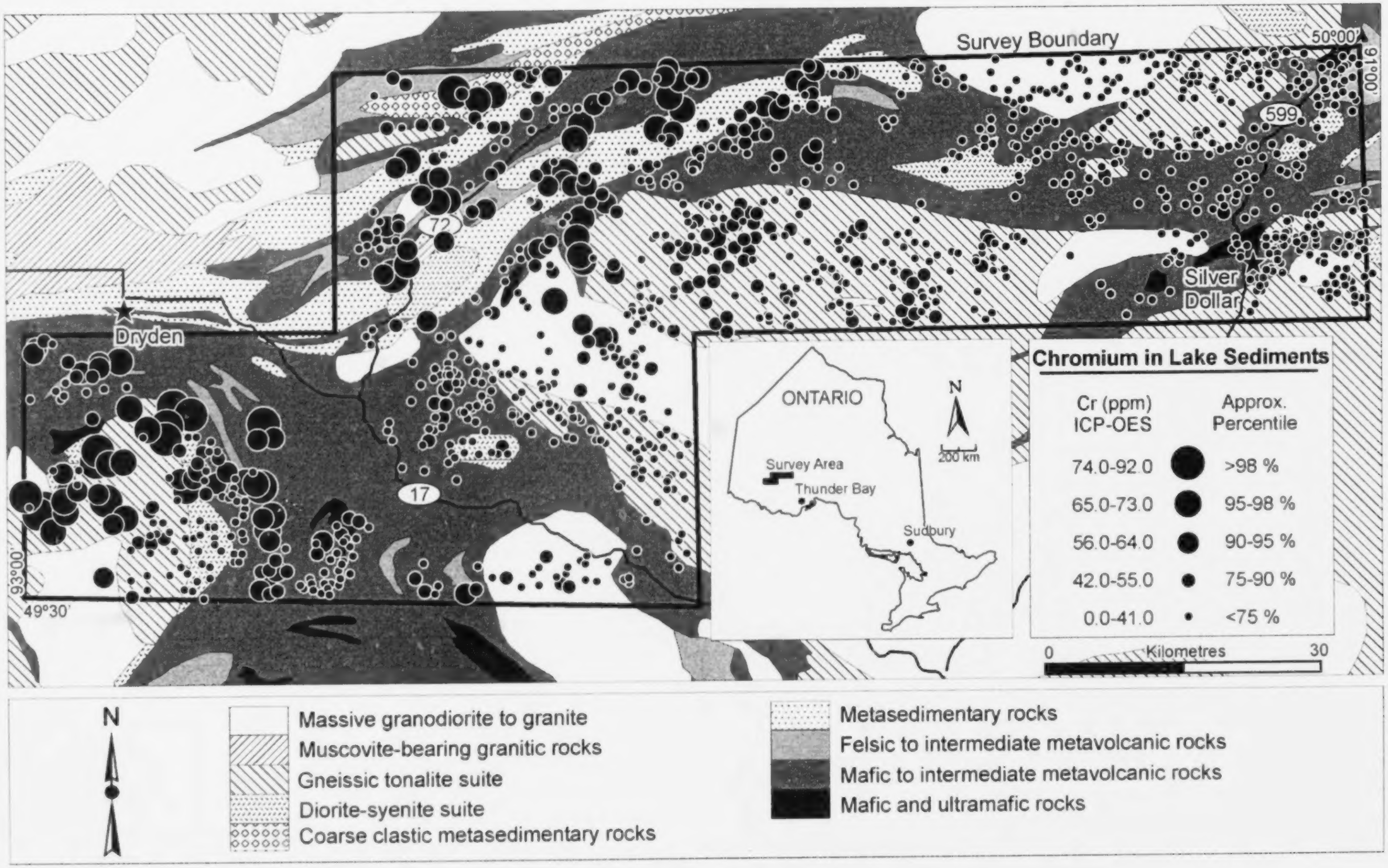

Survey Boundary
50°00'
91°00'
49°30'
93°00'
599
72
17
Silver Dollar
Dryden
Gold in Lake Sediments
Au (ppb) INAA
Approx. Percentile
11.0-54.0
>99.8 %
6.0-10.0
99.5-99.8 %
4.0-5.0
99-99.5 %
0.0-3.0
<99 %
0
Kilometres
30
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

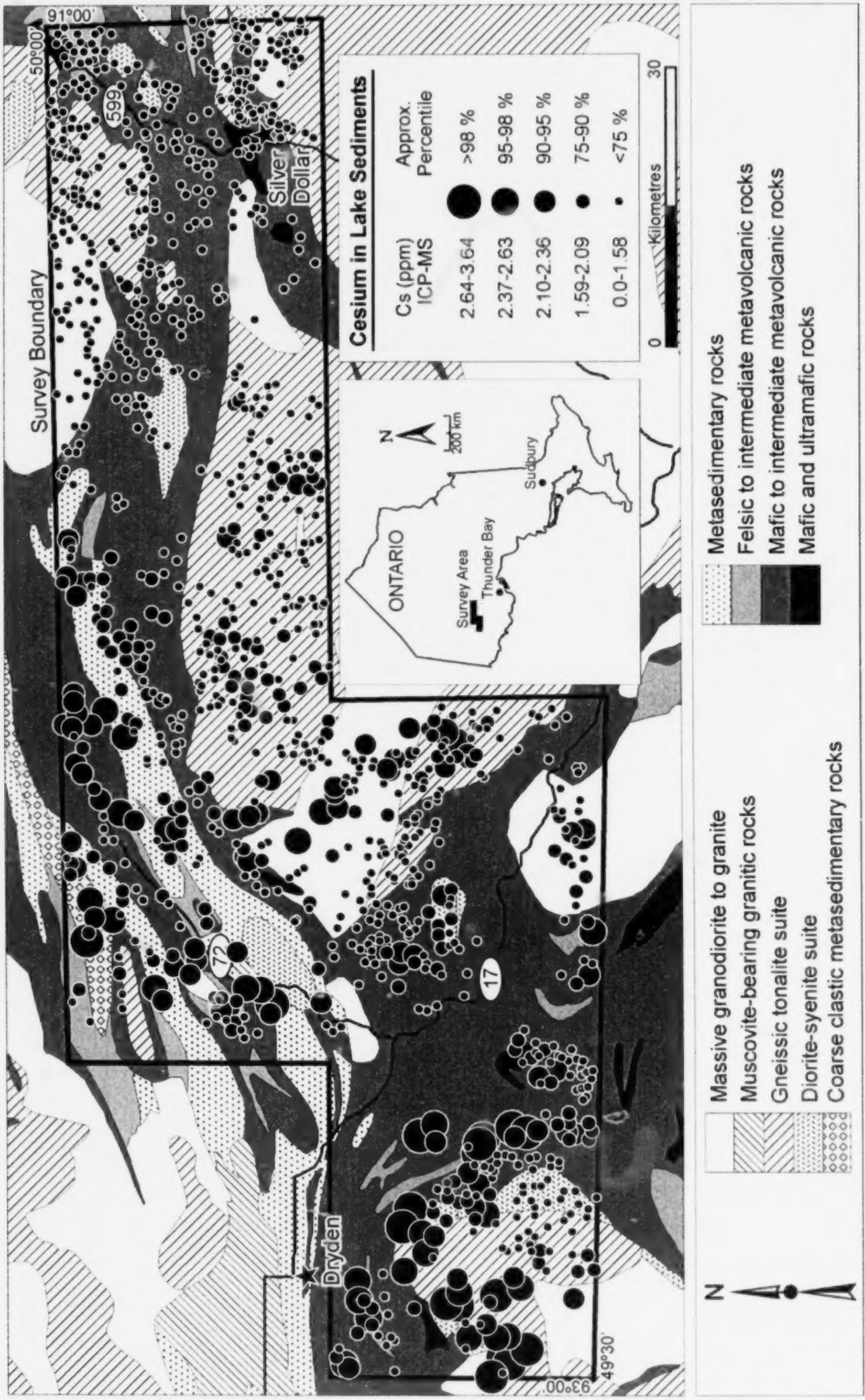

Beryllium in Lake Sediments
Be (ppm) ICP-MS
Approx Percentile
0.9-1.79 >98 %
0.77-0.89 95-98 %
0.69-0.76 90-95 %
0.49-0.68 75-90 %
0.0-0.48 <75 %
0
30
Kilometres
Survey Boundary
Silver Dollar
Dryden
599
72
17
91°00'
50°00'
93°00'
49°30'
N
ONTARIO
Survey Area
Thunder Bay
Sudbury
200 km
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

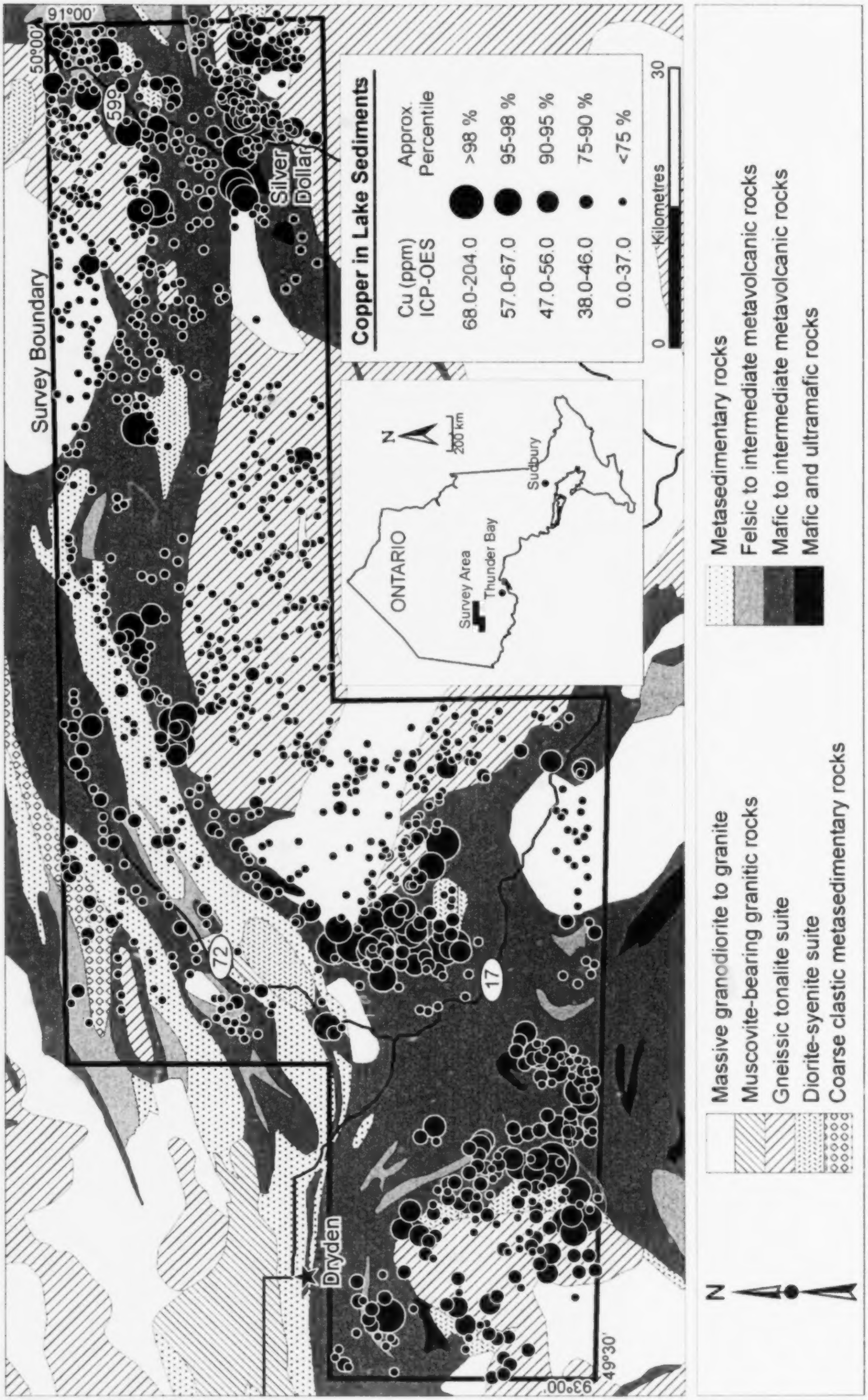

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
17
Dryden
49°30'
93°00'
N
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
Calcium in Lake Sediments
Ca (ppm) ICP-OES
Approx. Percentile
22364-252160 >98 %
15062-22363 95-98 %
19272-15061 90-95 %
10567-12971 75-90 %
0.0-10566 <75 %
0
Kilometres
30
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks


Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Cadmium in Lake Sediments
Cd (ppm) ICP-MS
Approx. Percentile
0.75-1.27 >99 %
0.63-0.74 95-99 %
0.56-0.62 90-95 %
0.47-0.55 75-90 %
0.0-0.46 <75 %
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

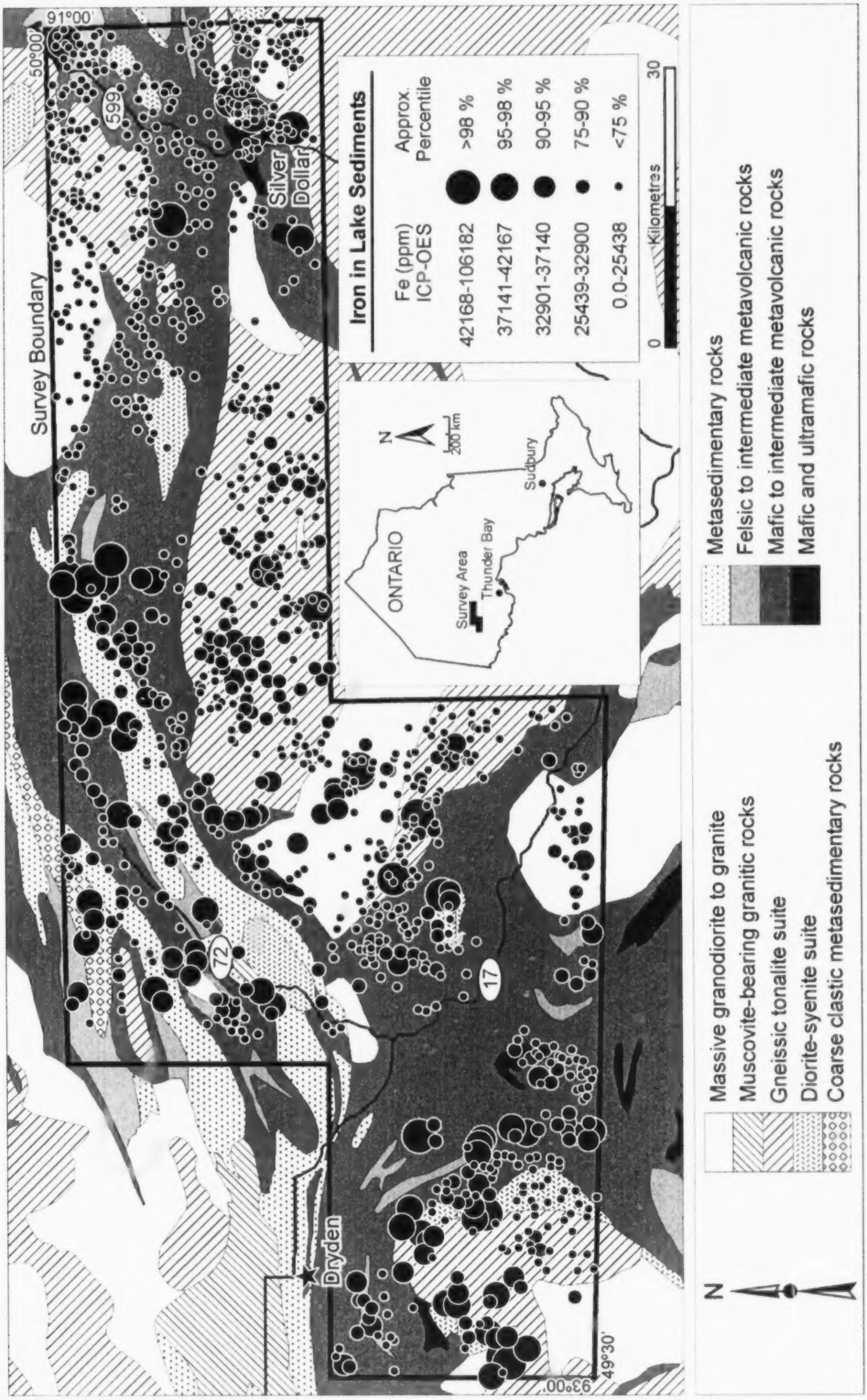

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Cobalt in Lake Sediments
Co (ppm) ICP-MS
Approx. Percentile
17.28-23.3 >98 %
15.28-17.27 95-98 %
13.86-15.27 90-95 %
11.05-13.85 75-90 %
0.0-11.04 <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

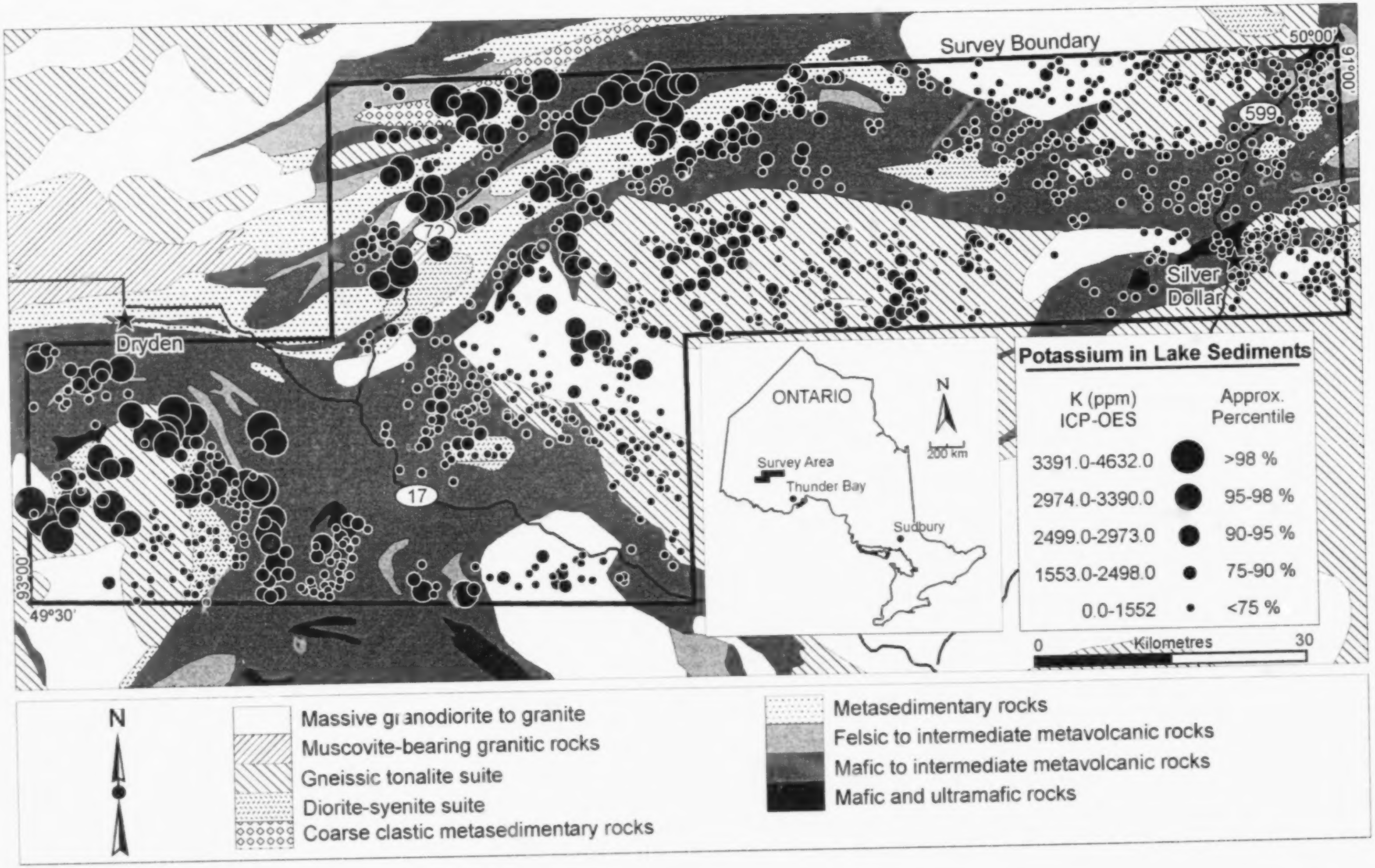

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Chromium in Lake Sediments
Cr (ppm) ICP-OES
Approx. Percentile
74.0-92.0 >98 %
65.0-73.0 95-98 %
56.0-64.0 90-95 %
42.0-55.0 75-90 %
0.0-41.0 <75 %
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

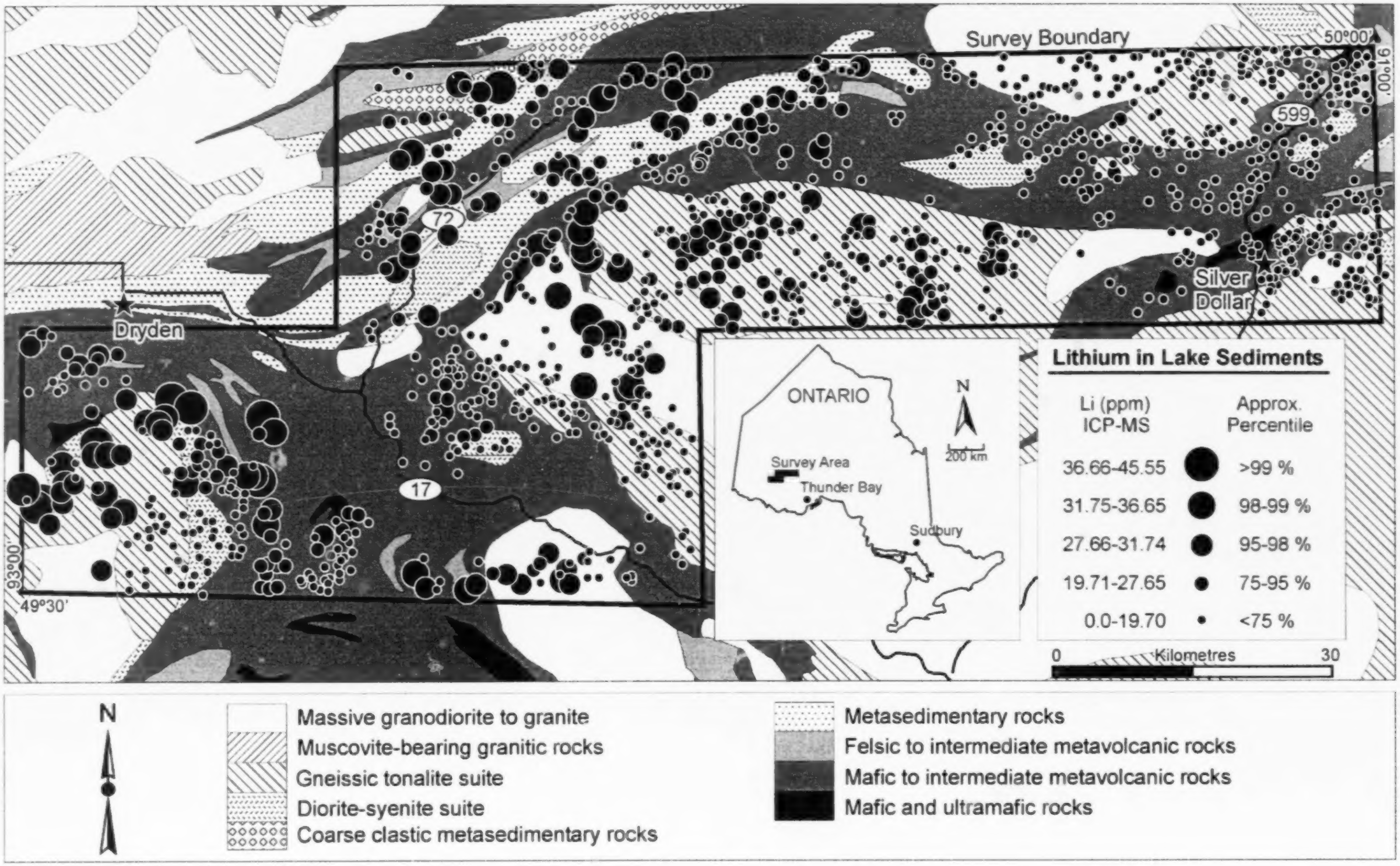

Survey Boundary
50°00'
91°00'
599
Silver Dollar
Cesium in Lake Sediments
Cs (ppm) ICP-MS
Approx. Percentile
2.64-3.64 >98 %
2.37-2.63 95-98 %
2.10-2.36 90-95 %
1.59-2.09 75-90 %
0.0-1.58 <75 %
0 Kilometres 30
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
Dryden
72
17
49°30'
93°00'
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

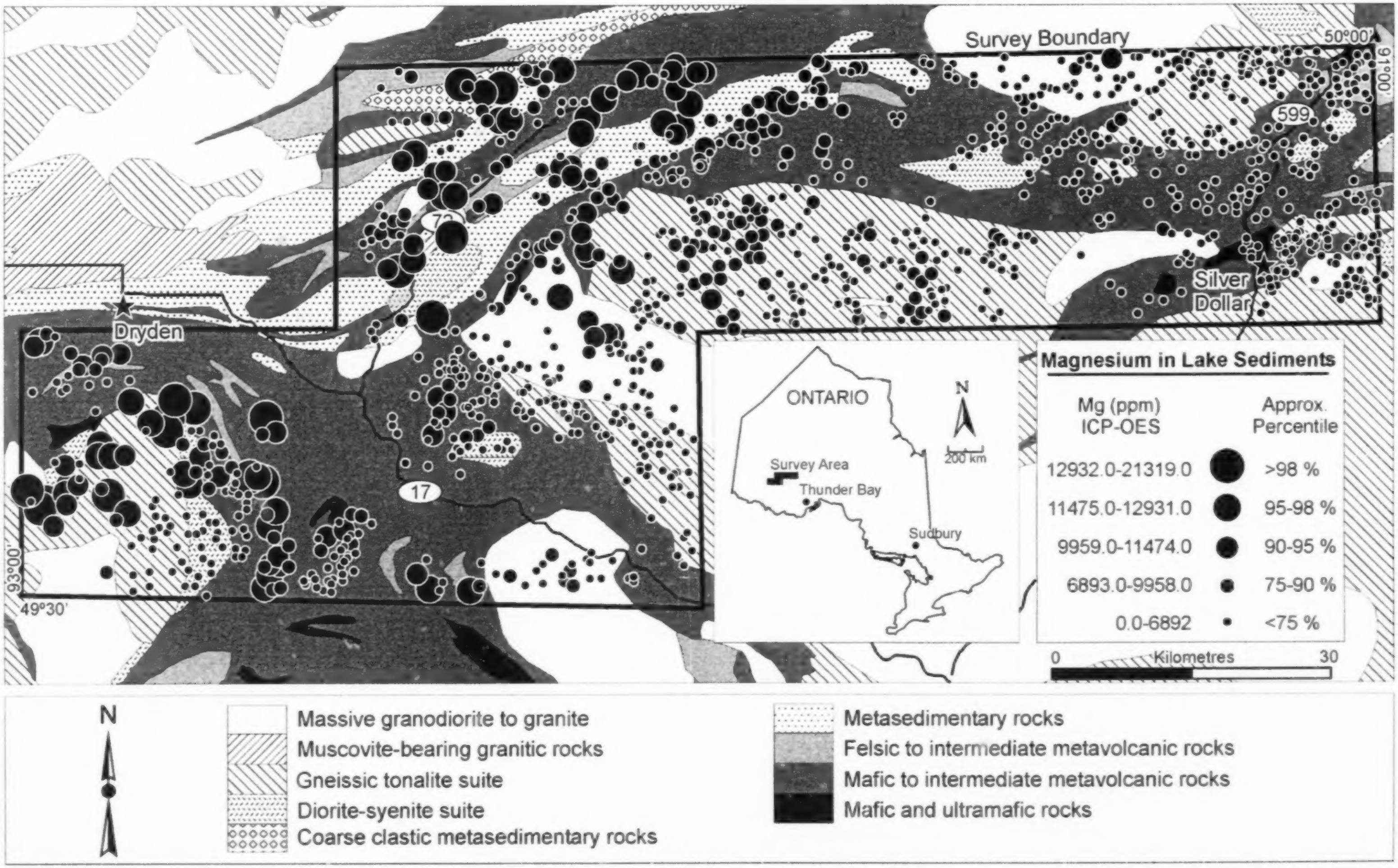


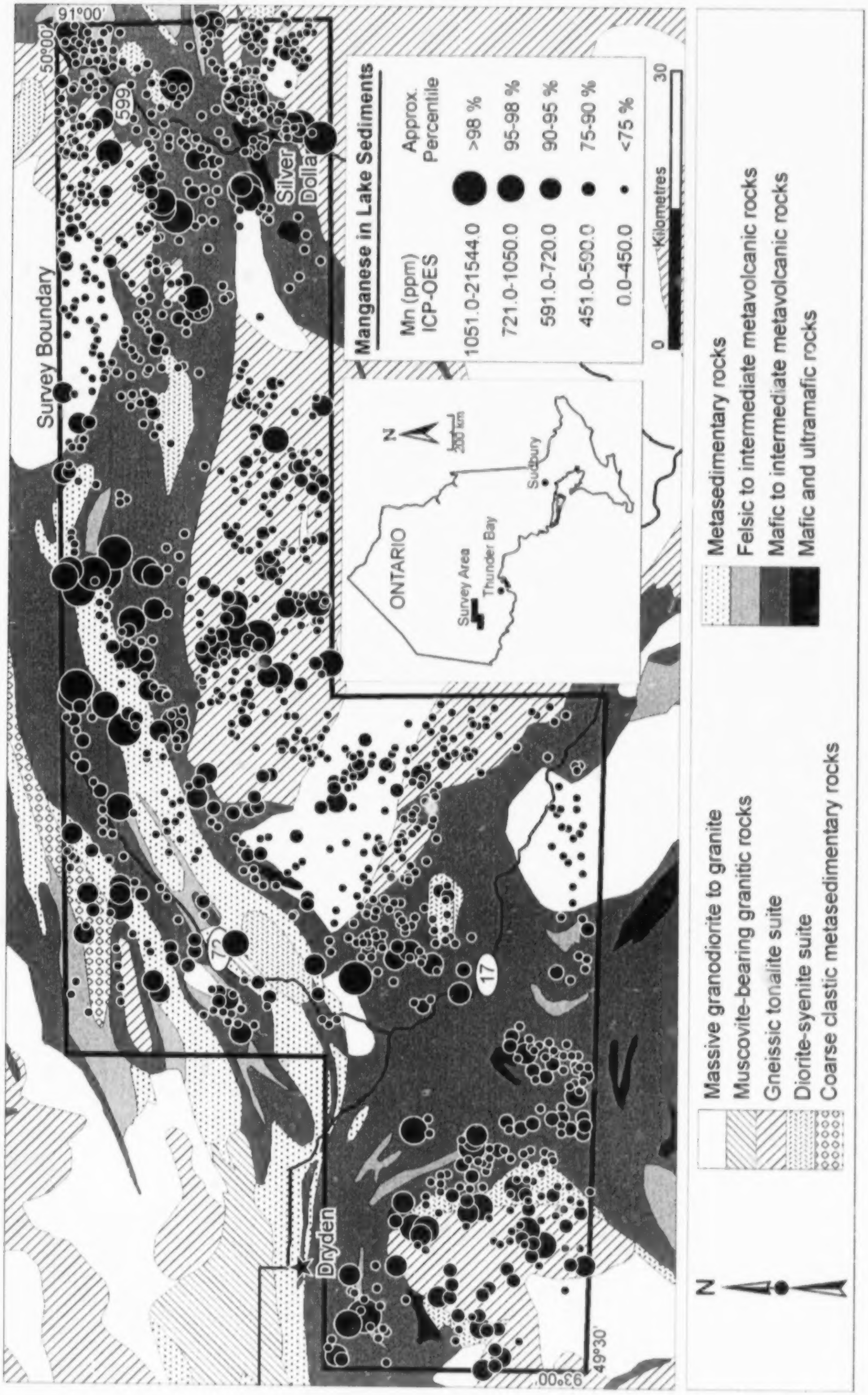
Survey Boundary
91°00'
50°00'
59
Silver Dollar
72
17
Dryden
93°00'
49°30'
Copper in Lake Sediments
Cu (ppm) ICP-OES
Approx. Percentile
68.0-204.0 >98 %
57.0-67.0 95-98 %
47.0-56.0 90-95 %
38.0-46.0 75-90 %
0.0-37.0 <75 %
0
30
Kilometres
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
N
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks


Survey Boundary
50°00'
91°00'
599
Silver Dollar
Iron in Lake Sediments
Fe (ppm) ICP-OES
Approx. Percentile
42168-106182 >98 %
37141-42167 95-98 %
32901-37140 90-95 %
25439-32900 75-90 %
0.0-25438 <75 %
0
Kilometres
30
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
72
17
Dryden
49°30'
93°00'
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

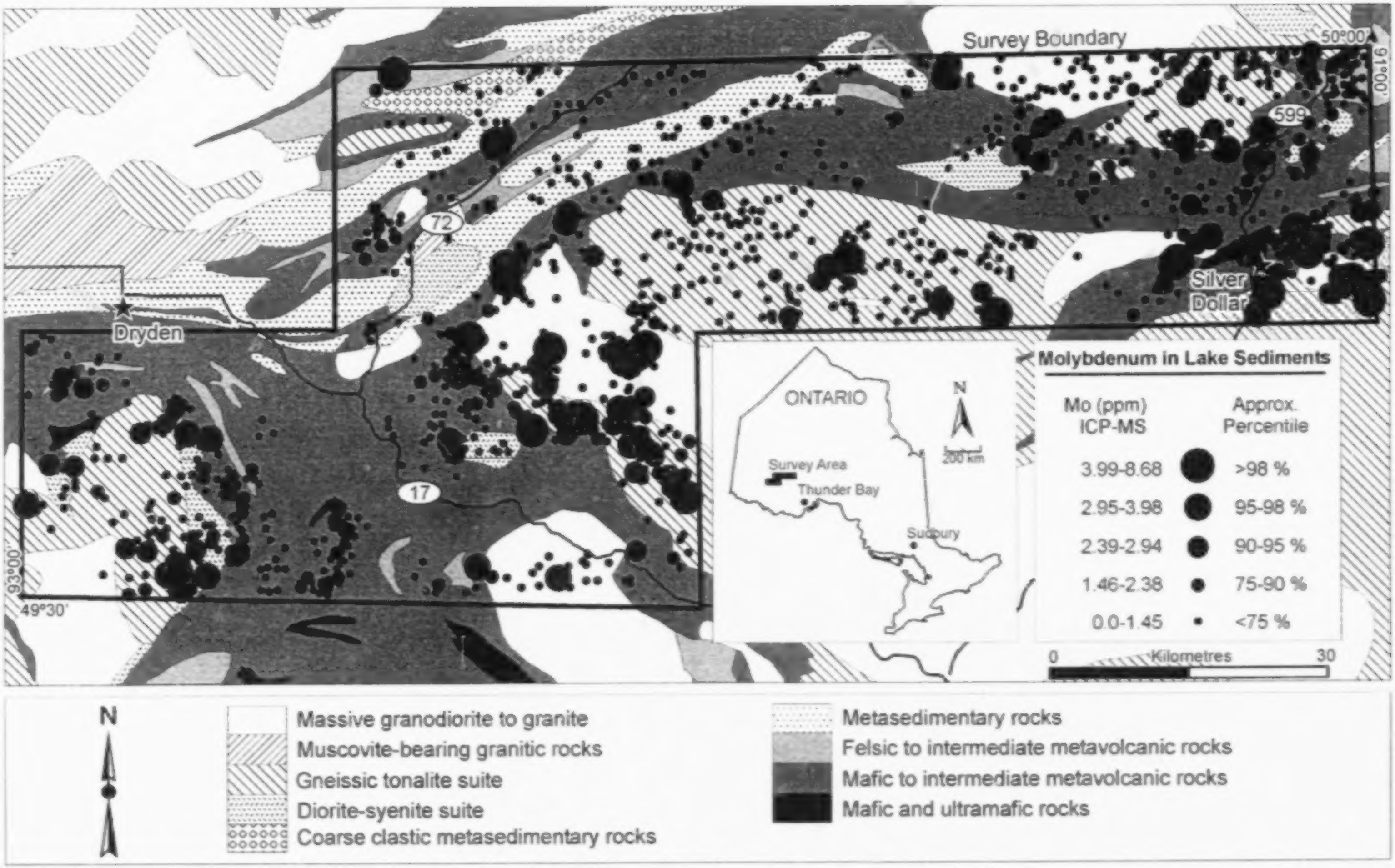

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Potassium in Lake Sediments
K (ppm) ICP-OES
Approx. Percentile
3391.0-4632.0 >98 %
2974.0-3390.0 95-98 %
2499.0-2973.0 90-95 %
1553.0-2498.0 75-90 %
0.0-1552 <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

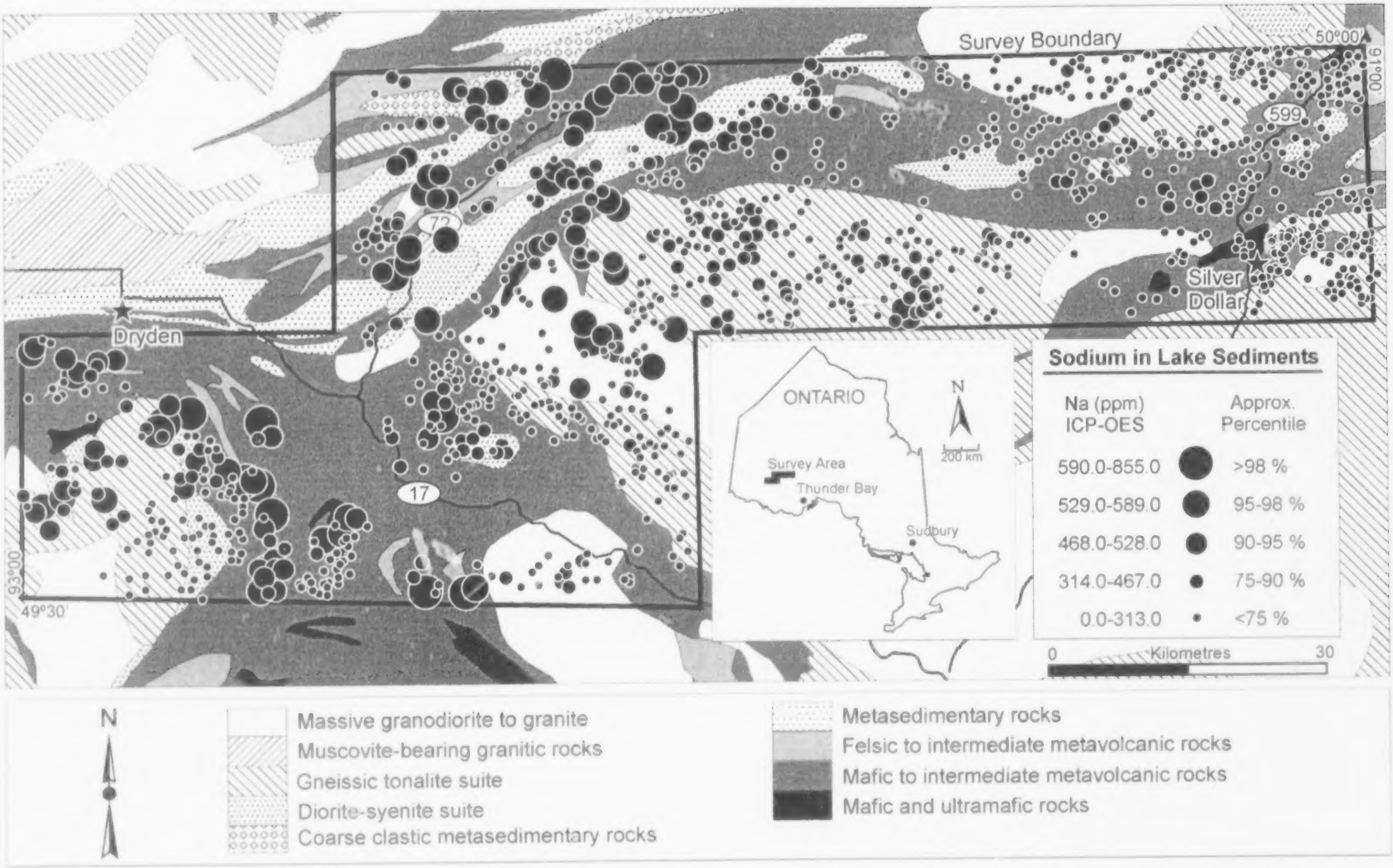

Survey Boundary
50°00'
91°00'
599
72
Silver Dollar
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Lithium in Lake Sediments
Li (ppm) ICP-MS
Approx. Percentile
36.66-45.55 >99 %
31.75-36.65 98-99 %
27.66-31.74 95-98 %
19.71-27.65 75-95 %
0.0-19.70 <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

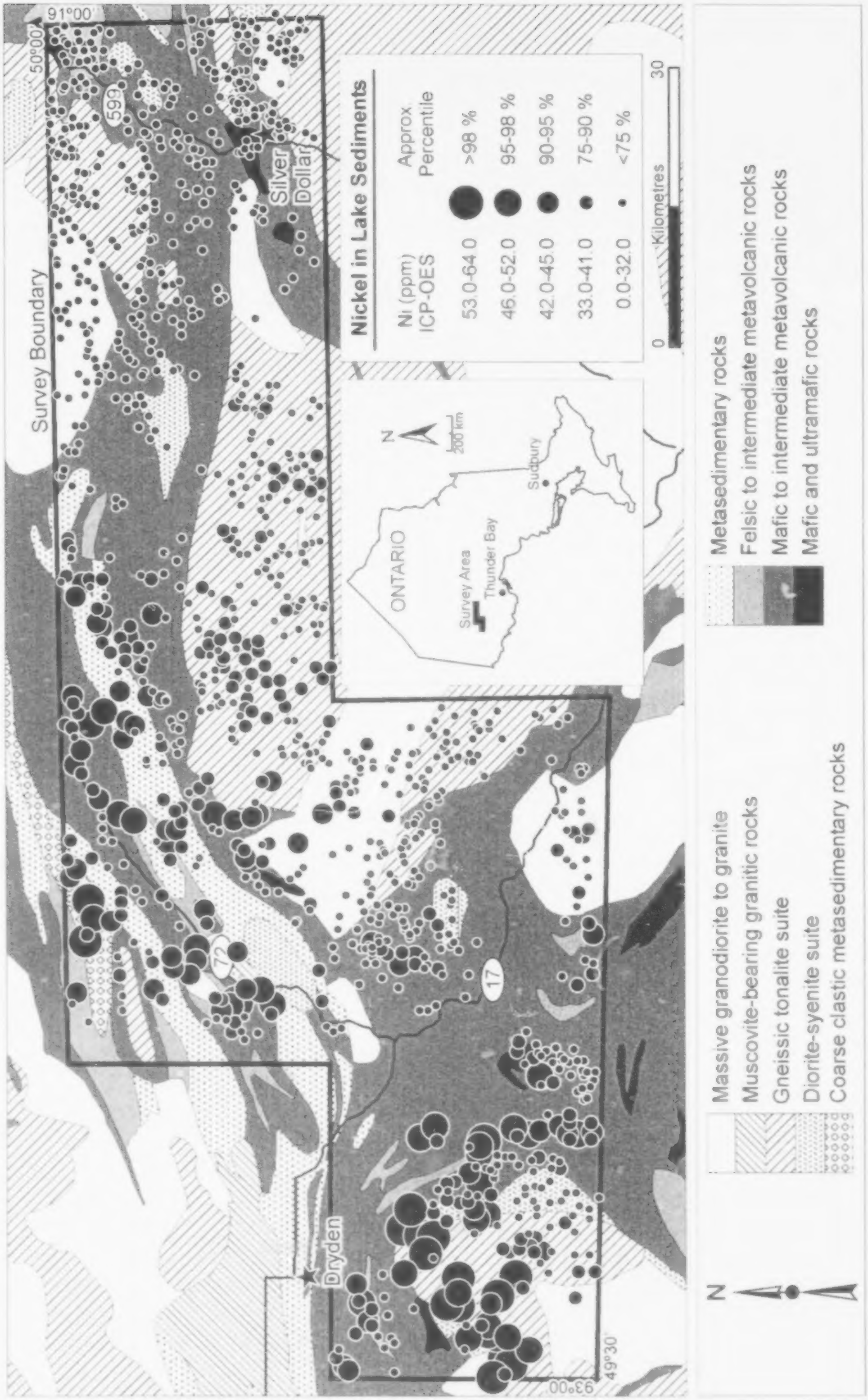

Survey Boundary
50°00'
91°00'
599
72
17
Dryden
Silver Dollar
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Magnesium in Lake Sediments
Mg (ppm) ICP-OES
Approx. Percentile
12932.0-21319.0 >98 %
11475.0-12931.0 95-98 %
9959.0-11474.0 90-95 %
6893.0-9958.0 75-90 %
0.0-6892 <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

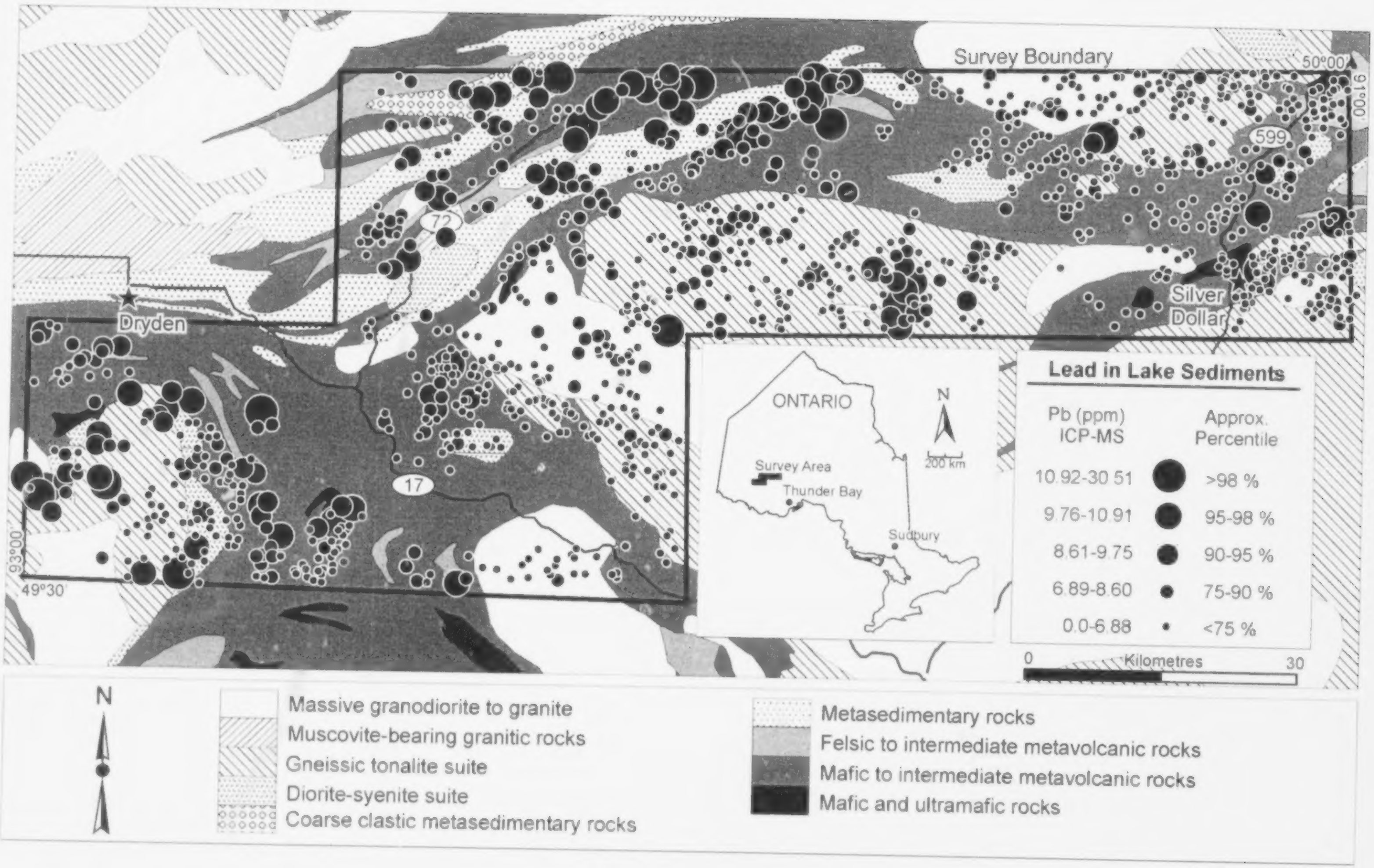


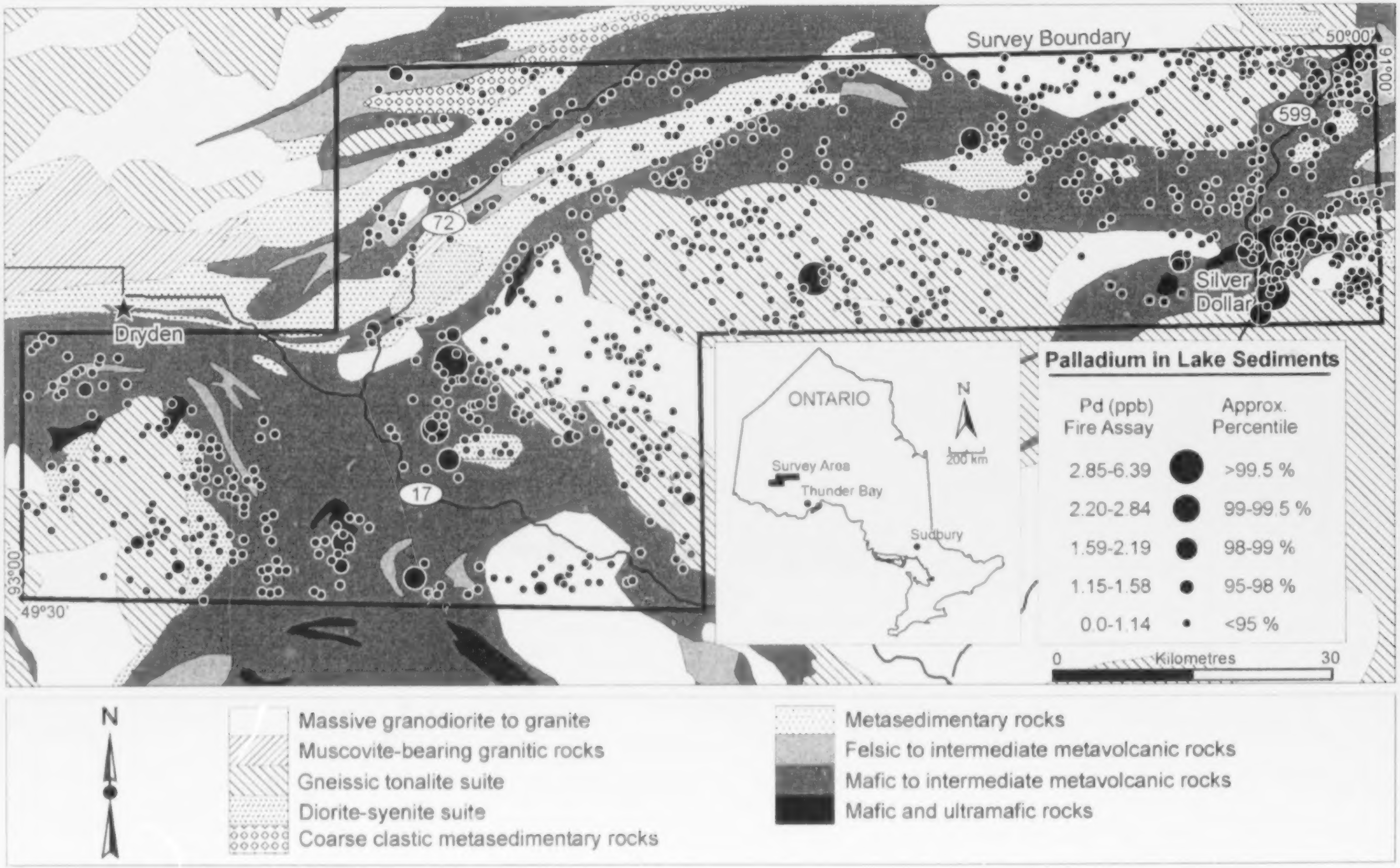
Survey Boundary
91°00'
50°00'
599
Silver Dollar
72
17
Dryden
93°00'
49°30'
Manganese in Lake Sediments
Mn (ppm) ICP-OES
Approx. Percentile
1051.0-21544.0
>98 %
721.0-1050.0
95-98 %
591.0-720.0
90-95 %
451.0-590.0
75-90 %
0.0-450.0
<75 %
0
Kilometres
30
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
N

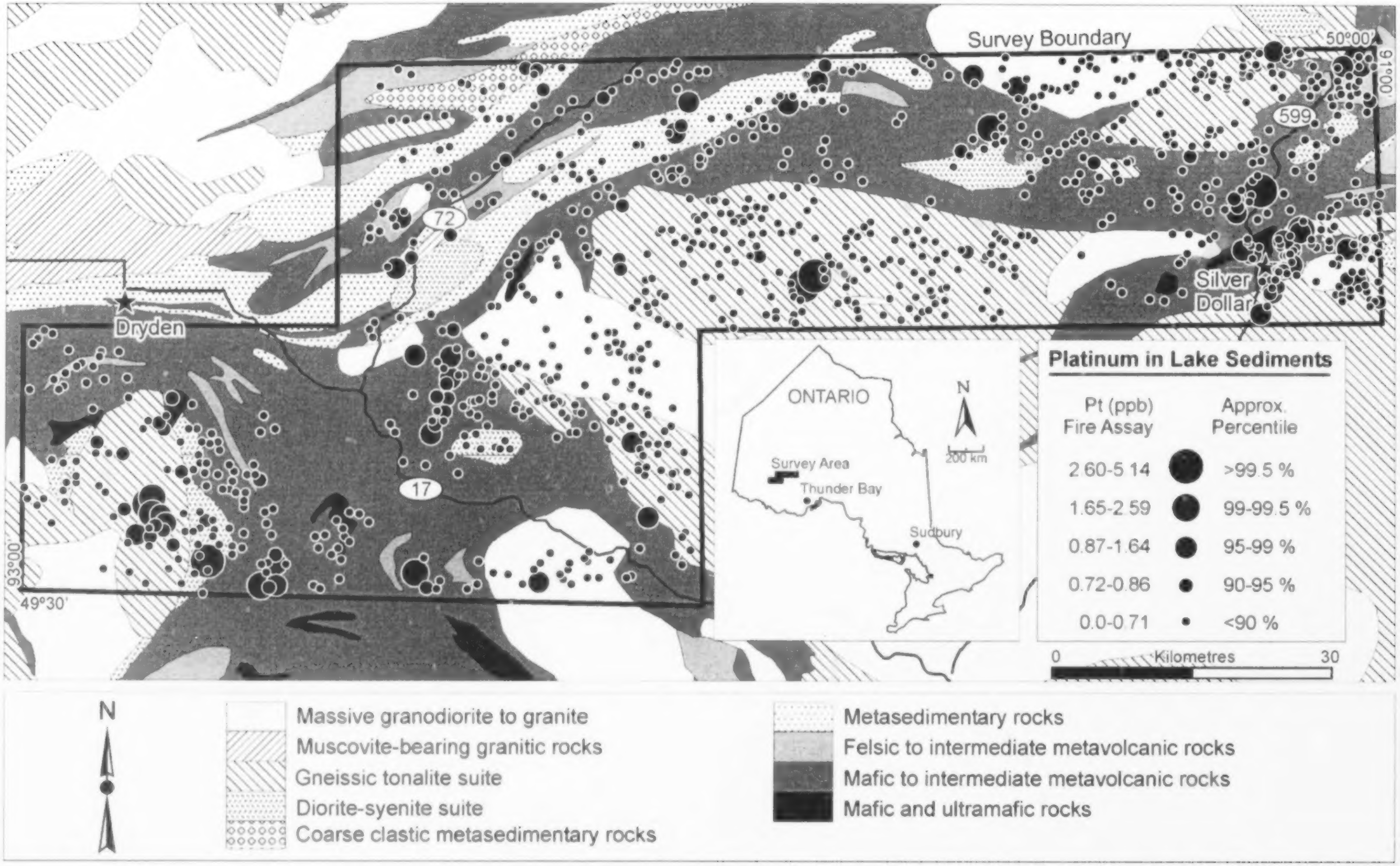

Survey Boundary
50°00'
91°00'
599
72
Silver Dollar
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Molybdenum in Lake Sediments
Mo (ppm) ICP-MS
Approx. Percentile
3.99-8.68 ● >98 %
2.95-3.98 ● 95-98 %
2.39-2.94 ● 90-95 %
1.46-2.38 ● 75-90 %
0.0-1.45 • <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

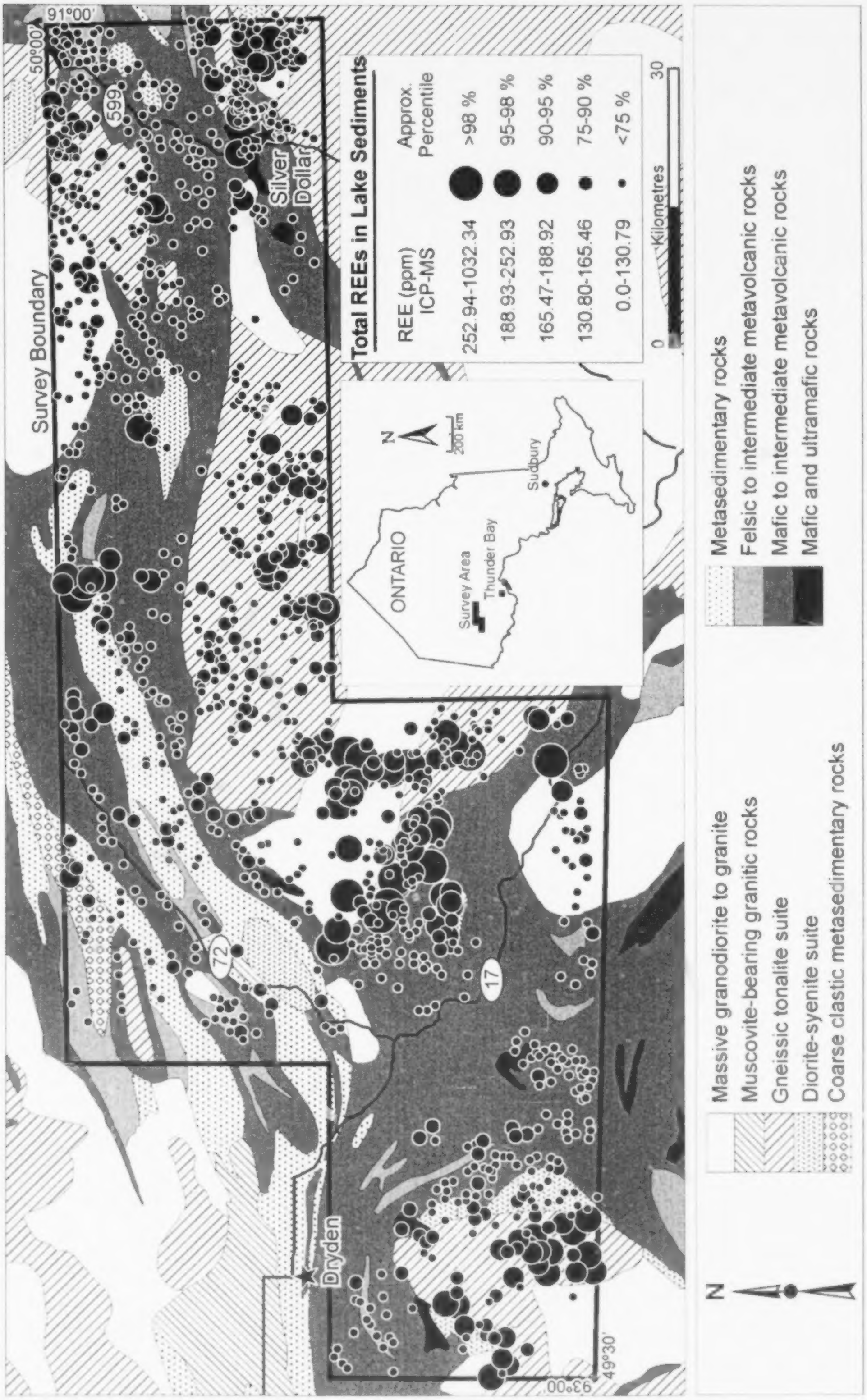

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Sodium in Lake Sediments
Na (ppm) ICP-OES
Approx. Percentile
590.0-855.0 ● >98 %
529.0-589.0 ● 95-98 %
468.0-528.0 ● 90-95 %
314.0-467.0 ● 75-90 %
0.0-313.0 • <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

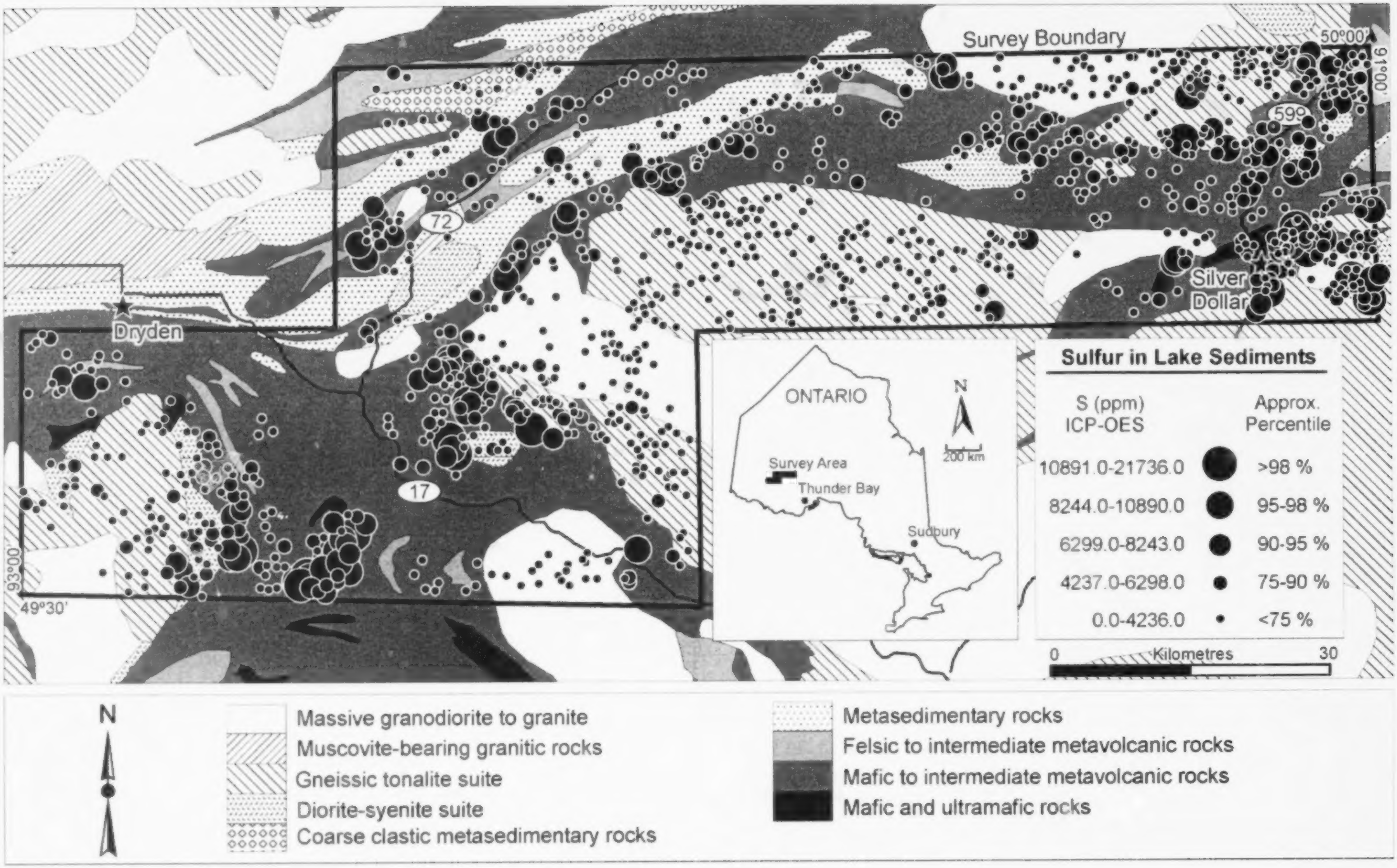

91°00'
50°00'
Survey Boundary
599
Silver Dollar
72
17
Dryden
49°30'
93°00'
Nickel in Lake Sediments
Ni (ppm) ICP-OES
Approx. Percentile
53.0-64.0 >98 %
46.0-52.0 95-98 %
42.0-45.0 90-95 %
33.0-41.0 75-90 %
0.0-32.0 <75 %
0 Kilometres 30
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

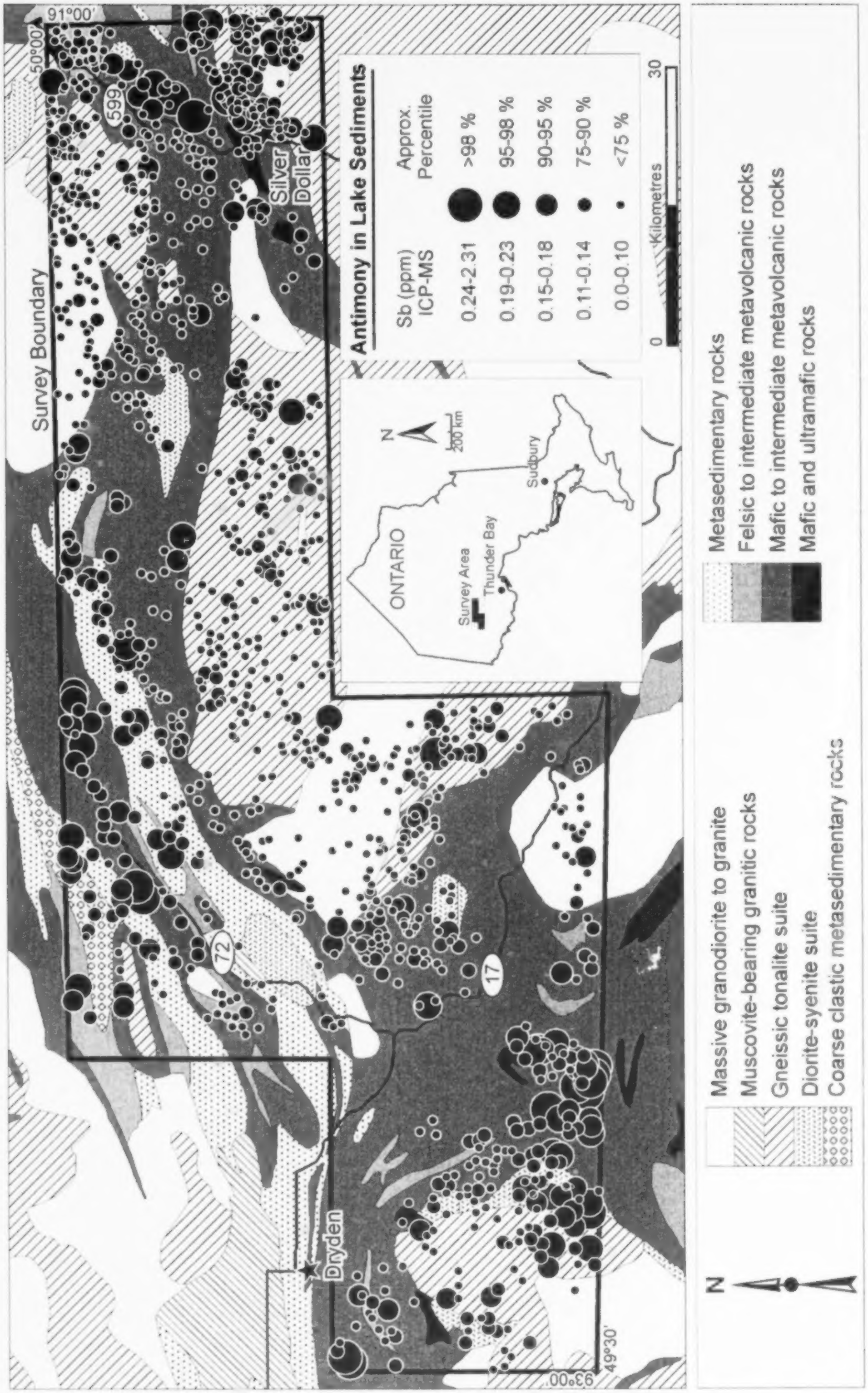

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Lead in Lake Sediments
Pb (ppm) ICP-MS
Approx. Percentile
10.92-30.51 >98 %
9.76-10.91 95-98 %
8.61-9.75 90-95 %
6.89-8.60 75-90 %
0.0-6.88 <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

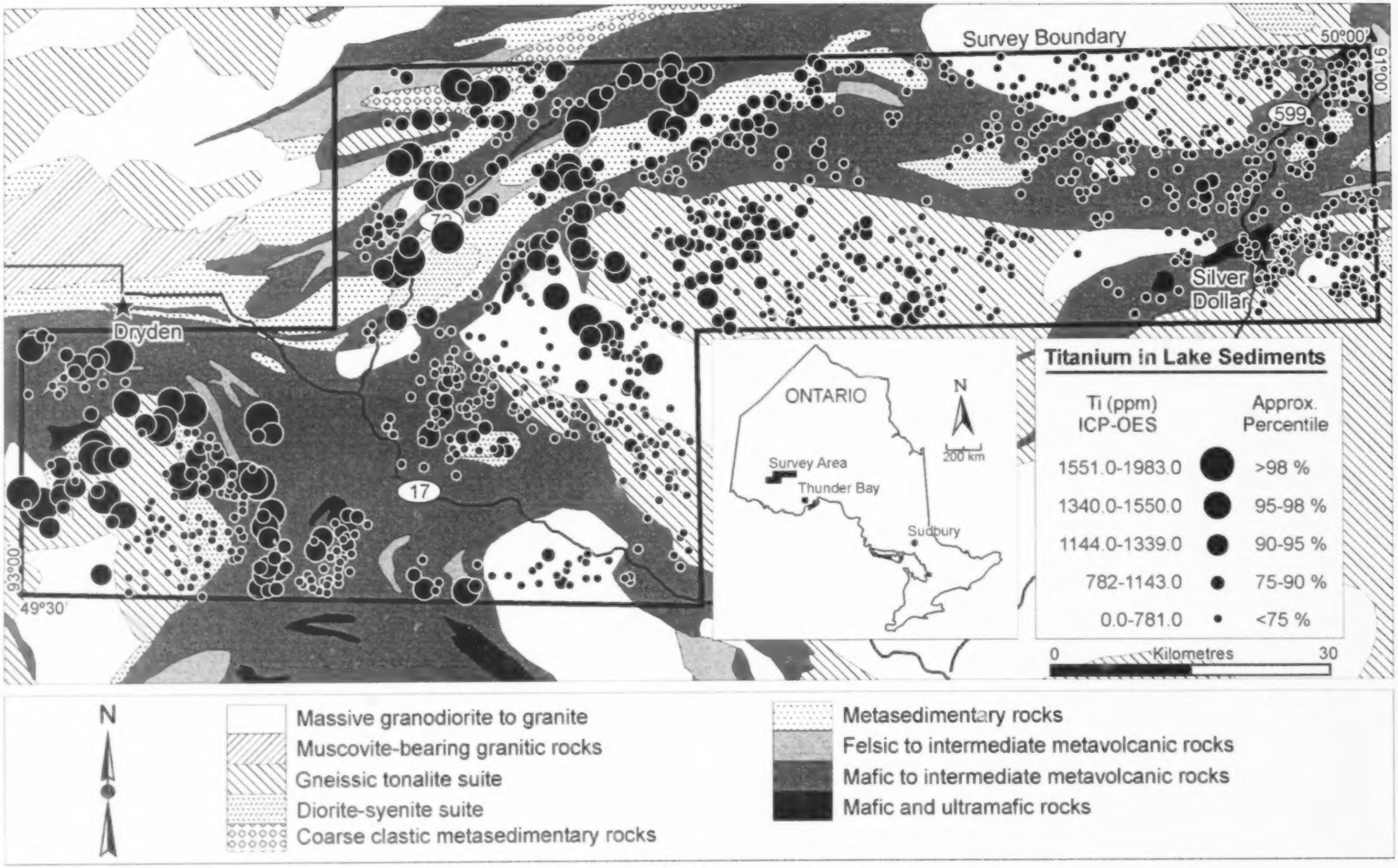

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Palladium in Lake Sediments
Pd (ppb) Fire Assay
Approx. Percentile
2.85-6.39 >99.5 %
2.20-2.84 99-99.5 %
1.59-2.19 98-99 %
1.15-1.58 95-98 %
0.0-1.14 <95 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

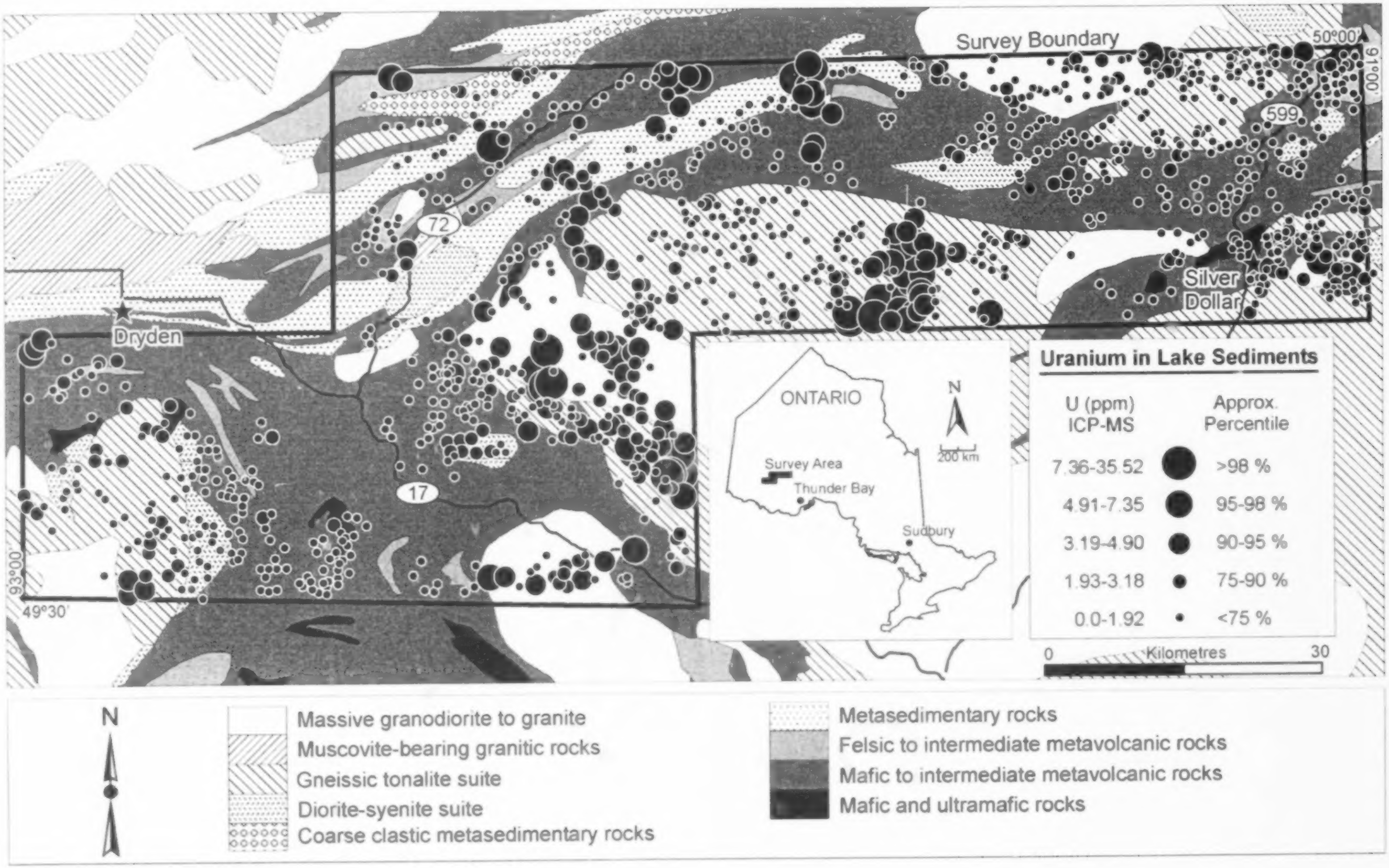

Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Platinum in Lake Sediments
Pt (ppb) Fire Assay
Approx. Percentile
2.60-5.14 >99.5 %
1.65-2.59 99-99.5 %
0.87-1.64 95-99 %
0.72-0.86 90-95 %
0.0-0.71 <90 %
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

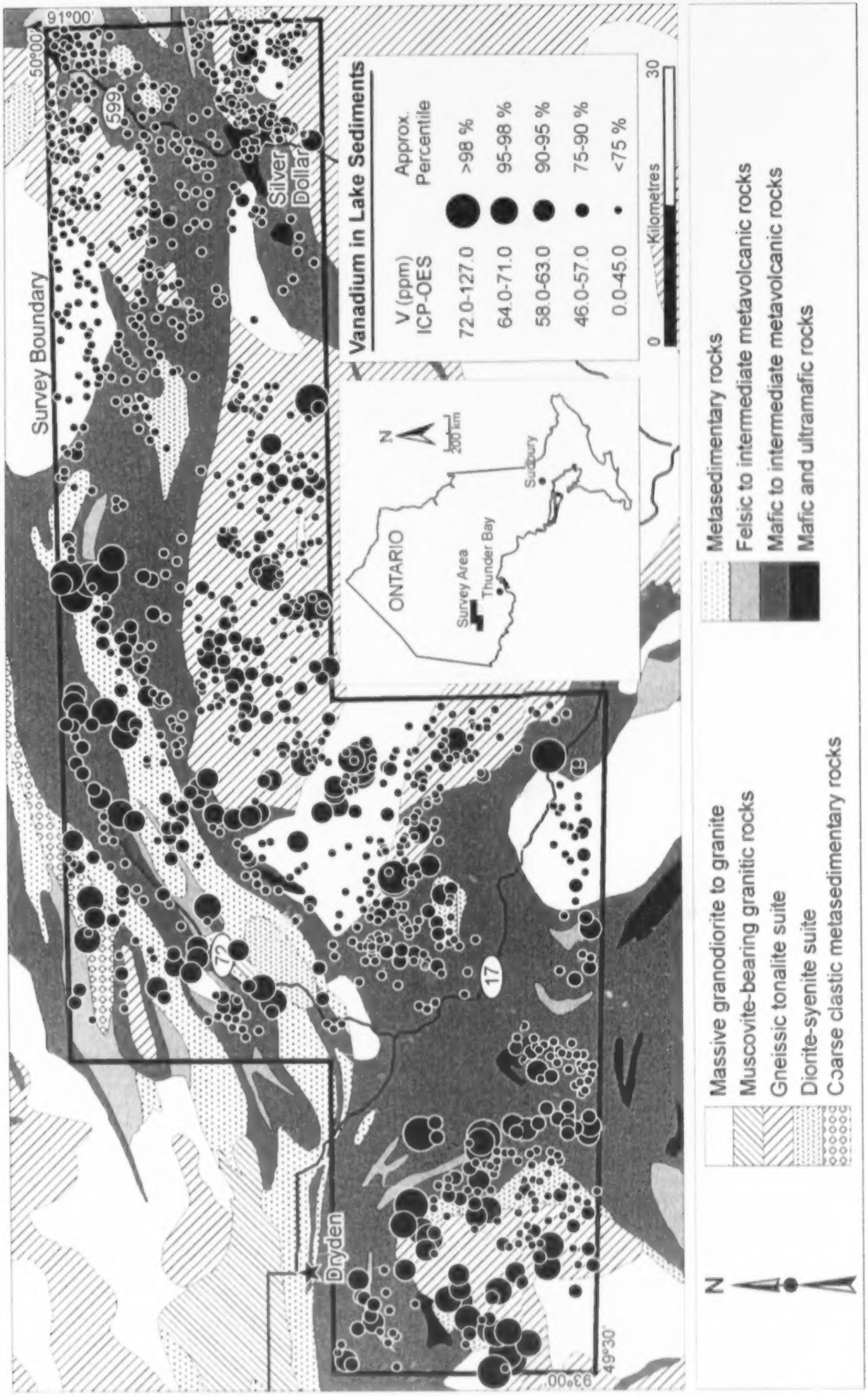

Survey Boundary
91°00'
50°00'
599
Silver Dollar
72
17
Dryden
93°00'
49°30'
Total REEs in Lake Sediments
REE (ppm) ICP-MS
Approx. Percentile
252.94-1032.34
>98 %
188.93-252.93
95-98 %
165.47-188.92
90-95 %
130.80-165.46
75-90 %
0.0-130.79
<75 %
0
30
Kilometres
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks


Survey Boundary
50°00'
91°00'
599
72
17
Silver Dollar
Dryden
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Sulfur in Lake Sediments
S (ppm) ICP-OES
Approx. Percentile
10891.0-21736.0 >98 %
8244.0-10890.0 95-98 %
6299.0-8243.0 90-95 %
4237.0-6298.0 75-90 %
0.0-4236.0 <75 %
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

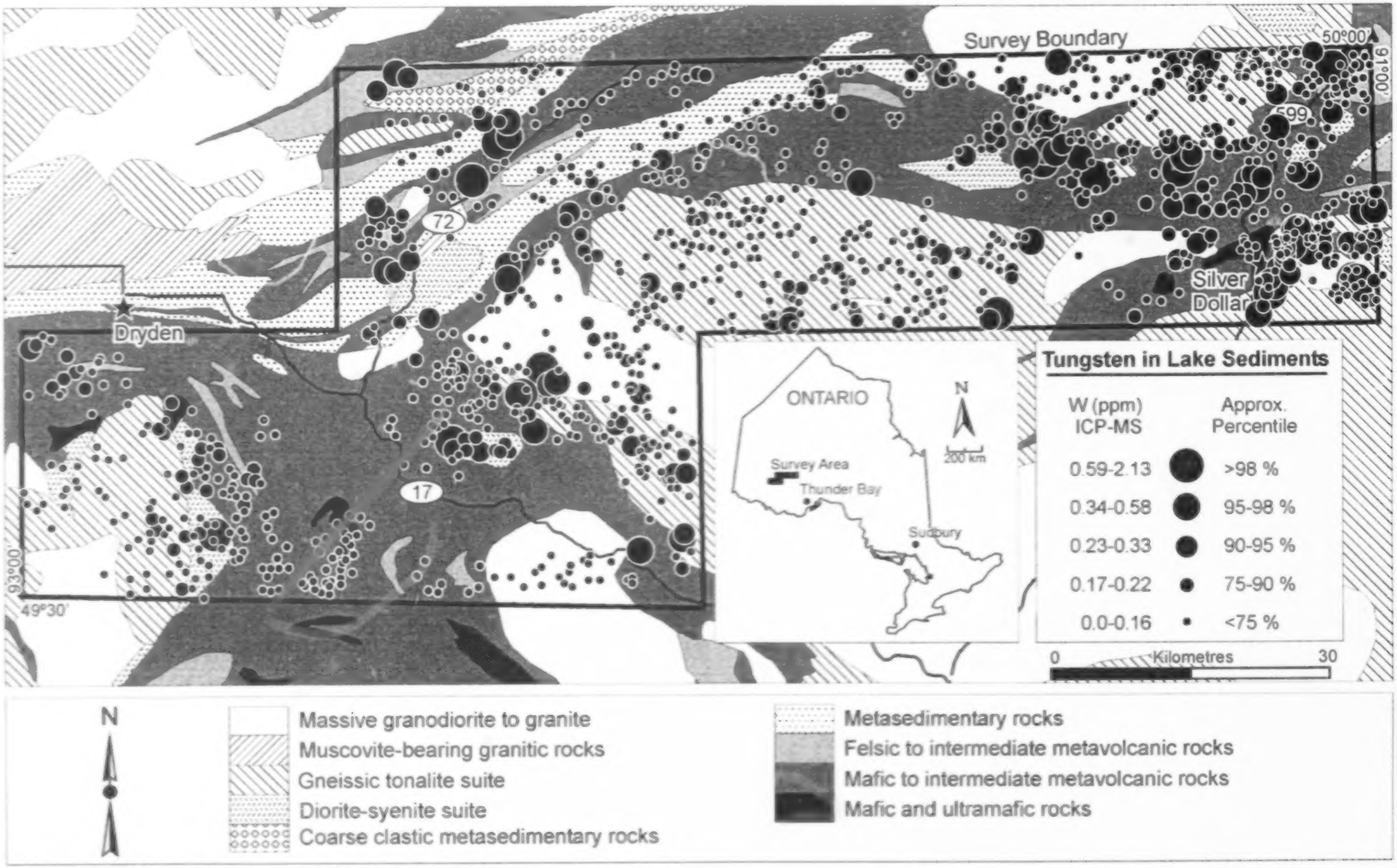

Survey Boundary
50°00'
91°00'
599
Silver Dollar
Antimony in Lake Sediments
Sb (ppm) ICP-MS
Approx. Percentile
0.24-2.31 >98 %
0.19-0.23 95-98 %
0.15-0.18 90-95 %
0.11-0.14 75-90 %
0.0-0.10 <75 %
0
Kilometres
30
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
72
17
Dryden
49°30'
93°00'
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

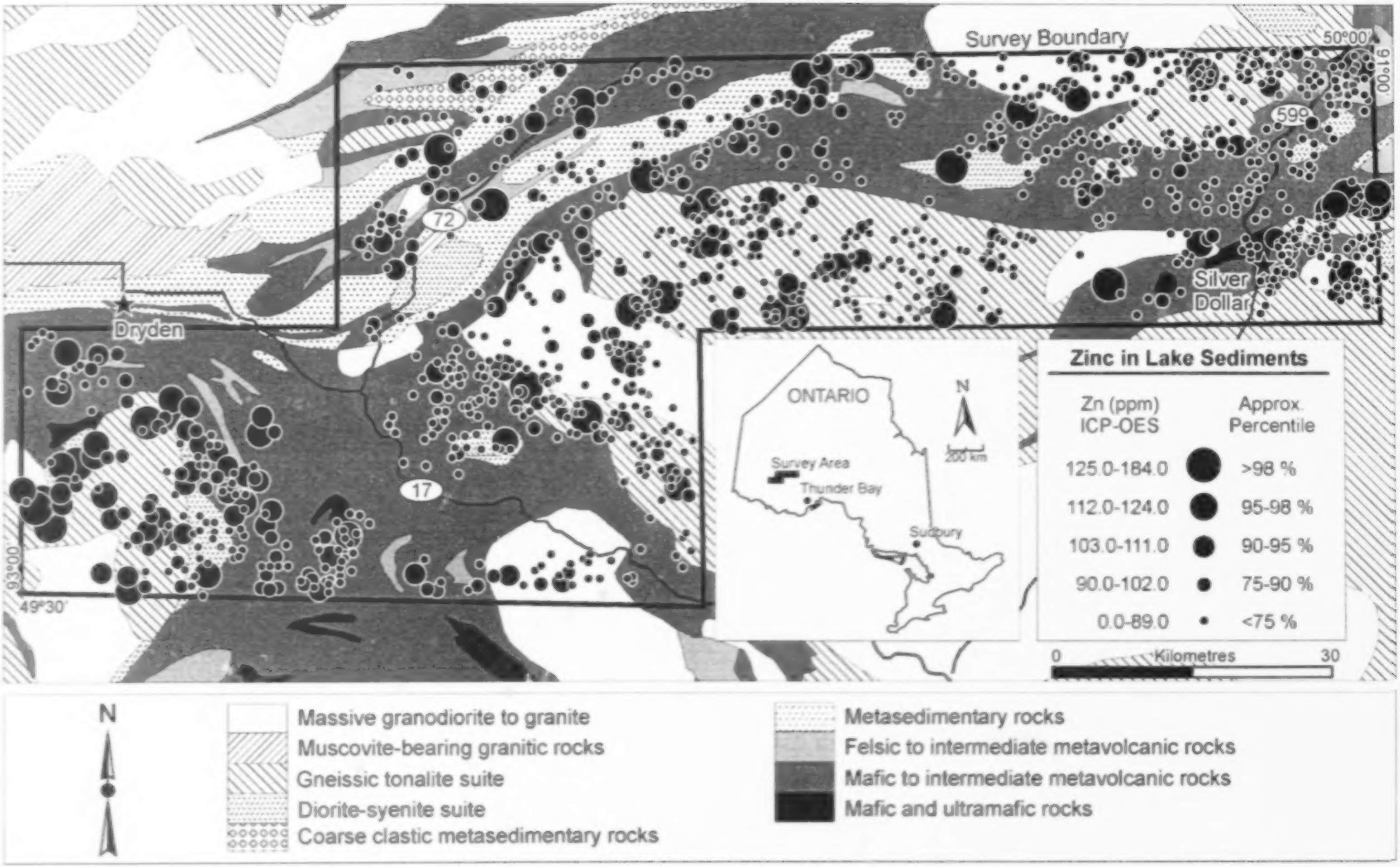

Survey Boundary
50°00'
91°00'
599
72
Silver Dollar
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Titanium in Lake Sediments
Ti (ppm) ICP-OES
Approx. Percentile
1551.0-1983.0 >98 %
1340.0-1550.0 95-98 %
1144.0-1339.0 90-95 %
782-1143.0 75-90 %
0.0-781.0 <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks


Survey Boundary
50°00'
91°00'
599
Silver Dollar
72
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Uranium in Lake Sediments
U (ppm) ICP-MS
Approx. Percentile
7.36-35.52 >98 %
4.91-7.35 95-98 %
3.19-4.90 90-95 %
1.93-3.18 75-90 %
0.0-1.92 <75 %
0
Kilometres
30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks



Survey Boundary
91°00'
50°00'
599
Silver Dollar
72
17
Dryden
93°00'
49°30'
Vanadium in Lake Sediments
V (ppm) ICP-OES
Approx. Percentile
72.0-127.0 >98 %
64.0-71.0 95-98 %
58.0-63.0 90-95 %
46.0-57.0 75-90 %
0.0-45.0 <75 %
0
Kilometres
30
ONTARIO
Survey Area
Thunder Bay
Sudbury
N
200 km
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
N


Survey Boundary
50°00'
91°00'
72
99
Silver Dollar
Dryden
17
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Tungsten in Lake Sediments
W (ppm) ICP-MS
Approx. Percentile
0.59-2.13 ● >98 %
0.34-0.58 ● 95-98 %
0.23-0.33 ● 90-95 %
0.17-0.22 ● 75-90 %
0.0-0.16 • <75 %
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks


Survey Boundary
50°00'
91°00'
599
72
17
Dryden
Silver Dollar
93°00'
49°30'
ONTARIO
N
200 km
Survey Area
Thunder Bay
Sudbury
Zinc in Lake Sediments
Zn (ppm) ICP-OES
Approx. Percentile
125.0-184.0 >98 %
112.0-124.0 95-98 %
103.0-111.0 90-95 %
90.0-102.0 75-90 %
0.0-89.0 <75 %
0 Kilometres 30
N
Massive granodiorite to granite
Muscovite-bearing granitic rocks
Gneissic tonalite suite
Diorite-syenite suite
Coarse clastic metasedimentary rocks
Metasedimentary rocks
Felsic to intermediate metavolcanic rocks
Mafic to intermediate metavolcanic rocks
Mafic and ultramafic rocks

Appendix C

Lake Sediment Analytical Data
for LOI, Ag, As, Au, Cr, Cu, Fe, Mn, Mo, Ni, Pb, Pd, Pt, total REE, Sb, V and Zn

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	---------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	---------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	---------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1	633941	5518912	56.58	0.15	23.0	11	1.15	17	34	16213	121	1.16	12	5.76	0.97	0.63	78.94	0.13	42	76
2	635341	5519954	42.34	0.05	90.4	<2	INF	18	33	102319	21544	3.36	17	1.90	INF	INF	58.82	0.13	40	61
3	637852	5520916	20.61	<0.02	3.3	<2	<0.9	6	8	18185	2306	2.03	5	0.72	<0.9	<0.5	14.96	<0.05	<5	23
4	637615	5522729	35.42	0.12	3.2	<2	<0.9	24	41	15346	393	1.80	18	4.83	<0.9	<0.5	186.61	0.11	34	71
5	639237	5523976	33.92	0.11	3.1	<2	<0.9	22	34	14896	392	0.76	16	4.29	<0.9	<0.5	128.62	0.07	28	112
6	638624	5523558	31.31	0.11	3.6	<2	<0.9	25	32	18548	435	0.78	19	4.69	<0.9	<0.5	125.30	0.07	30	122
7	638249	5522825	40.31	0.05	2.8	<2	<0.9	9	29	5190	72	1.00	10	2.97	<0.9	<0.5	108.58	0.06	10	44
8	643780	5525140	39.4	0.12	4.0	<2	<0.9	19	29	13435	572	1.50	13	6.51	<0.9	<0.5	115.66	0.16	32	124
9	643372	5524029	36.71	0.08	5.1	<2	0.91	24	30	21828	901	0.81	19	4.28	<0.9	<0.5	135.52	0.08	31	140
11	643518	5523243	30.7	0.05	4.8	<2	<0.9	12	31	12854	321	2.48	13	5.19	<0.9	0.62	64.41	0.20	18	65
12	642375	5523122	55.24	0.07	4.2	<2	<0.9	14	25	6657	89	2.79	14	5.27	<0.9	<0.5	187.91	0.13	16	66
13	642316	5523869	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
14	642093	5524288	26.32	0.08	6.1	<2	<0.9	14	22	11485	355	0.63	13	14.92	<0.9	<0.5	70.38	0.21	18	133
15	641881	5524912	49.49	0.04	4.6	<2	<0.9	13	22	8966	174	0.52	14	6.16	<0.9	<0.5	77.35	0.11	15	77
16	642393	5535485	22.65	0.05	1.7	<2	2.56	17	24	9368	187	0.32	16	3.12	<0.9	0.67	70.02	<0.05	16	50
17	642782	5535036	19.02	0.06	3.3	<2	<0.9	21	29	12094	334	0.61	18	3.83	<0.9	0.83	74.81	0.05	22	56
18	642423	5537300	53.77	0.03	2.0	<2	INF	9	34	3450	74	1.18	13	3.67	INF	INF	35.37	0.07	9	50
19	643047	5537237	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
21	642990	5538708	26.06	0.08	2.2	<2	<0.9	27	32	17192	346	0.39	22	4.36	<0.9	0.57	93.40	0.06	28	73
22	642458	5539497	29.87	0.13	4.0	<2	<0.9	29	38	23551	626	0.57	25	7.50	1.09	0.61	114.93	0.10	35	89
23	641418	5539609	27.76	0.04	2.1	<2	<0.9	14	15	9192	280	0.16	12	3.26	<0.9	<0.5	75.40	<0.05	16	37
24	641905	5538726	29.93	0.12	4.1	<2	1.04	35	53	47478	2546	1.37	29	6.40	1.27	1.05	183.51	0.08	58	137
25	641445	5538675	33.83	0.14	2.6	<2	<0.9	26	38	14873	339	0.68	21	4.70	<0.9	<0.5	99.86	0.08	27	73
26	641196	5538231	40.26	0.14	2.2	<2	INF	23	45	10413	210	0.63	19	4.77	INF	INF	85.80	0.07	19	64
27	641572	5537064	38.57	0.08	3.0	<2	<0.9	14	34	8933	262	0.97	13	5.81	<0.9	<0.5	54.31	0.11	15	53
28	641123	5536601	60.69	0.07	4.2	<2	<0.9	14	36	9909	196	0.90	16	6.26	<0.9	<0.5	61.48	0.12	15	53
29	640413	5536630	25.19	0.08	2.2	<2	<0.9	18	24	11236	312	0.44	14	3.90	<0.9	<0.5	71.14	0.06	19	59
31	641386	5535846	65.83	0.06	2.4	<2	<0.9	7	35	3930	72	2.01	9	2.94	<0.9	<0.5	23.48	0.10	9	50
32	640621	5535532	31.93	0.07	2.2	<2	<0.9	17	27	11025	376	0.60	14	4.62	0.99	<0.5	72.25	0.08	18	59
33	640544	5534487	68.39	0.11	1.5	<2	<0.9	9	58	3222	76	0.86	14	1.88	0.97	0.51	61.30	0.08	8	55
34	638760	5534480	45.02	0.04	1.9	<2	<0.9	7	20	3240	82	0.64	14	4.51	<0.9	<0.5	36.70	0.06	<5	48
35	636911	5532691	67.81	0.12	2.1	<2	<0.9	6	42	5762	151	2.26	10	4.00	<0.9	<0.5	42.77	0.07	20	93
36	633704	5530308	25.27	0.06	1.5	<2	INF	13	31	7299	76	0.75	13	2.59	INF	INF	54.84	<0.05	14	43
37	632753	5528929	68.64	0.08	1.8	<2	INF	10	56	4062	69	2.37	12	2.56	INF	INF	59.44	0.10	11	65
38	631231	5528592	55.67	0.10	1.6	<2	<0.9	11	40	3651	126	3.10	10	2.74	<0.9	<0.5	46.53	0.10	14	80
39	633143	5520443	61.58	0.18	3.4	<2	<0.9	15	40	8155	230	2.38	15	4.03	<0.9	<0.5	60.74	0.14	30	105
41	634207	5520742	53.75	0.14	4.3	9	1.23	13	41	9671	229	0.97	12	3.12	1.35	0.53	84.10	0.11	20	64
42	635662	5522359	27.4	0.05	0.9	<2	<0.9	21	12	8099	107	0.25	13	3.26	<0.9	<0.5	41.53	<0.05	22	61
43	635428	5522163	81.65	0.12	3.1	<2	INF	20	21	3419	157	0.89	14	2.59	INF	INF	29.64	0.07	28	80
44	636947	5527804	44.47	0.16	10.0	<2	INF	22	49	30002	2649	1.57	28	4.58	INF	INF	81.14	0.10	33	89
45	634722	5527636	51.16	0.05	2.4	<2	<0.9	7	21	2305	42	1.33	9	2.36	<0.9	<0.5	29.81	0.09	8	44
46	639603	5535715	29.7	0.09	2.1	<2	<0.9	20	30	13620	393	0.54	18	3.32	<0.9	<0.5	80.62	0.05	23	71
47	639463	5536268	48.84	0.06	1.9	<2	<0.9	5	13	1735	36	1.02	9	2.50	<0.9	<0.5	19.54	0.07	<5	44
48	639215	5535586	33.67	0.09	2.1	<2	<0.9	21	33	13145	368	0.60	18	3.54	<0.9	0.61	85.31	0.06	23	75
49	638550	5535308	32.89	0.08	2.6	<2	<0.9	18	31	13023	465	0.72	17	3.23	<0.9	0.63	80.10	0.07	21	71

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
51	638121	5536229	NM	NM	2.3	<2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
52	639205	5537023	60.15	0.05	2.3	<2	<0.9	6	12	3960	118	0.74	9	5.31	<0.9	<0.5	21.63	0.08	7	64
53	640437	5537690	52.24	0.04	1.6	<2	<0.9	5	19	2551	115	1.04	10	1.88	<0.9	0.54	20.08	<0.05	<5	52
54	639986	5538724	25.61	0.10	3.1	<2	<0.9	19	34	13429	388	1.27	20	2.87	<0.9	0.91	92.47	0.09	22	61
55	**639184**	**5538482**	**12.69**	**0.03**	**2.8**	**<2**	**<0.9**	**13**	**25**	**11134**	**286**	**2.02**	**15**	**2.19**	**<0.9**	**0.53**	**48.31**	**0.12**	**16**	**27**
56	638847	5539709	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
57	637819	5538760	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
58	631032	5519554	47.22	0.06	2.6	<2	<0.9	17	20	17672	379	0.61	14	3.66	<0.9	<0.5	56.73	0.09	36	81
59	630071	5525073	51.59	0.07	3.8	4	<0.9	16	31	10492	110	2.21	17	4.24	0.95	<0.5	68.42	0.09	20	54
61	**630283**	**5528424**	**45.82**	**0.06**	**1.5**	**<2**	**<0.9**	**6**	**25**	**3347**	**93**	**0.69**	**12**	**3.02**	**<0.9**	**<0.5**	**39.88**	**0.08**	**6**	**47**
62	631822	5530139	54.07	0.12	1.9	<2	INF	7	36	3535	80	0.98	14	1.81	INF	INF	38.98	0.10	8	67
63	631491	5529912	48.49	0.19	2.2	<2	<0.9	12	45	8606	182	1.07	16	2.73	<0.9	<0.5	70.93	0.08	19	73
64	631973	5532004	46.72	0.11	3.9	5	<0.9	17	66	9216	214	3.00	22	2.78	<0.9	0.62	84.27	0.14	20	79
65	633190	5532196	55.89	0.10	1.4	<2	INF	5	34	7935	165	1.28	8	1.96	INF	INF	51.11	0.05	23	53
66	**637746**	**5536922**	**48.95**	**0.07**	**2.4**	**<2**	**<0.9**	**8**	**25**	**4848**	**128**	**1.12**	**14**	**2.15**	**<0.9**	**<0.5**	**45.37**	**0.06**	**9**	**45**
67	637069	5536347	46.49	0.10	2.3	<2	<0.9	16	27	9797	350	0.72	16	3.53	<0.9	<0.5	72.76	0.05	16	80
68	636372	5535623	43.46	0.12	2.2	<2	<0.9	15	26	8476	263	0.90	16	2.82	<0.9	<0.5	74.36	<0.05	15	71
69	637269	5537654	53.29	0.07	2.8	<2	<0.9	13	23	7888	159	1.46	14	2.50	1.17	<0.5	57.26	0.06	15	64
71	636500	5537067	52.13	0.08	3.6	<2	<0.9	15	25	9633	195	1.44	16	4.08	<0.9	<0.5	67.33	0.09	19	74
72	**635635**	**5536323**	**50.76**	**0.17**	**2.3**	**<2**	**<0.9**	**17**	**58**	**9149**	**427**	**0.99**	**19**	**3.03**	**1.14**	**0.58**	**107.30**	**0.11**	**25**	**84**
73	636735	5538656	62.2	0.08	2.8	<2	<0.9	11	28	6810	82	2.62	14	3.16	<0.9	<0.5	68.74	0.09	17	56
74	636273	5538879	57.26	0.06	2.4	<2	<0.9	10	20	3283	50	2.17	17	3.27	<0.9	<0.5	62.87	0.09	10	52
75	637173	5539994	41.81	0.09	5.2	<2	INF	22	51	14987	545	2.91	30	3.80	INF	INF	93.43	0.20	25	67
76	635306	5540094	38.08	0.12	3.3	<2	<0.9	27	33	14335	369	1.23	22	3.47	<0.9	<0.5	178.10	0.10	27	102
77	**633956**	**5540368**	**45.37**	**0.17**	**2.2**	**<2**	**<0.9**	**22**	**32**	**9695**	**177**	**1.17**	**19**	**4.42**	**<0.9**	**<0.5**	**146.26**	**0.08**	**25**	**69**
78	634170	5539865	56.44	0.16	1.7	<2	<0.9	16	31	12513	205	1.71	18	3.86	<0.9	<0.5	158.90	0.08	31	60
79	633712	5539390	51.73	0.18	3.0	<2	<0.9	22	37	13743	197	1.34	24	4.83	<0.9	<0.5	142.04	0.10	28	86
81	634187	5538910	64.4	0.15	1.6	<2	<0.9	6	46	4677	153	1.31	13	1.91	<0.9	<0.5	92.80	0.07	13	82
82	635056	5538020	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
83	**633355**	**5535466**	**14.96**	**0.08**	**2.8**	**<2**	**<0.9**	**24**	**18**	**19625**	**630**	**0.64**	**19**	**4.26**	**<0.9**	**<0.5**	**118.17**	**<0.05**	**34**	**71**
84	632570	5536375	32.55	0.22	2.5	<2	1.37	40	28	21064	577	0.68	30	7.42	<0.9	<0.5	144.09	0.08	48	104
85	632497	5537171	45.68	0.12	2.4	<2	INF	26	28	11534	172	1.12	26	4.91	INF	INF	134.12	0.11	22	60
86	633370	5537837	32.17	0.15	2.8	<2	<0.9	32	30	16080	258	0.76	26	5.40	<0.9	<0.5	152.11	0.07	34	88
87	632436	5538034	34.26	0.15	2.7	<2	<0.9	28	28	13719	223	0.84	24	4.96	<0.9	<0.5	143.87	0.11	31	83
88	**632174**	**5538688**	**27.58**	**0.05**	**2.2**	**<2**	**<0.9**	**28**	**20**	**14628**	**229**	**0.71**	**24**	**5.79**	**<0.9**	**<0.5**	**113.71**	**0.11**	**27**	**72**
89	632704	5540120	26.99	0.06	2.0	<2	<0.9	28	20	14210	249	0.57	23	4.70	<0.9	1.04	124.10	0.05	25	68
91	631005	5540061	33.05	0.08	2.8	<2	<0.9	27	27	11867	251	1.02	18	5.07	<0.9	<0.5	152.15	0.11	30	66
92	631213	5538977	54.04	0.11	4.6	<2	INF	24	35	23233	408	1.70	24	3.60	INF	INF	184.31	0.15	35	97
93	630659	5538804	31.17	0.07	2.5	<2	<0.9	24	19	13199	247	0.47	20	3.48	<0.9	<0.5	129.03	<0.05	26	70
94	**630872**	**5538459**	**30.9**	**0.06**	**1.8**	**<2**	**<0.9**	**23**	**18**	**13313**	**237**	**0.71**	**20**	**3.68**	**<0.9**	**<0.5**	**128.40**	**0.06**	**27**	**73**
95	630448	5538445	4.21	<0.02	1.8	27	<0.9	28	17	14246	255	0.28	21	4.35	<0.9	<0.5	101.63	0.05	31	37
96	630214	5537923	41.86	0.06	1.8	<2	<0.9	23	19	13125	210	0.68	19	4.10	<0.9	<0.5	149.96	<0.05	28	83
97	629965	5537538	43.13	0.05	2.6	<2	<0.9	26	23	17446	259	1.05	23	3.65	<0.9	<0.5	164.01	0.06	31	96
98	631510	5536732	46.8	<0.02	1.6	<2	INF	9	13	3200	31	0.54	9	3.92	INF	INF	42.03	0.06	9	21
99	**631429**	**5534670**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
101	630819	5522454	14.98	<0.02	3.4	<2	<0.9	17	19	10598	121	0.93	16	6.38	<0.9	<0.5	47.07	0.08	18	41
102	630104	5530383	12.31	<0.02	1.3	<2	<0.9	14	12	11047	284	0.34	11	1.70	<0.9	<0.5	57.08	<0.05	17	48
103	630590	5530811	54.34	0.04	1.6	<2	<0.9	14	23	7830	179	0.74	12	3.43	<0.9	<0.5	67.67	<0.05	16	57
104	629574	5534860	18.47	0.04	3.1	<2	<0.9	33	23	23138	863	0.54	23	6.07	<0.9	<0.5	145.87	<0.05	40	89
105	629867	5539835	36.5	0.08	3.6	<2	<0.9	24	19	14885	440	0.63	19	3.32	<0.9	<0.5	129.61	<0.05	28	89
106	629321	5539564	43.47	0.05	2.9	<2	<0.9	23	18	16141	308	0.66	16	5.38	<0.9	<0.5	125.16	0.07	39	70
107	629607	5539278	53.38	<0.02	3.5	<2	INF	9	14	5360	51	2.33	8	2.67	INF	INF	39.67	0.05	21	42
108	629359	5538677	58.24	<0.02	1.8	<2	<0.9	10	11	4698	48	0.68	13	2.67	<0.9	<0.5	40.56	<0.05	12	58
109	629185	5538007	28.44	<0.02	2.2	<2	<0.9	20	14	12719	195	0.62	15	2.74	<0.9	<0.5	94.94	<0.05	24	66
111	629281	5537366	31.9	<0.02	1.7	<2	<0.9	19	13	10577	153	0.31	15	5.16	<0.9	<0.5	69.24	<0.05	18	60
112	626999	5539745	40.5	0.05	3.0	<2	<0.9	29	27	14176	353	1.04	20	8.16	<0.9	<0.5	164.60	0.14	39	88
113	625763	5539020	52.78	<0.02	5.4	<2	<0.9	20	16	8466	111	1.51	19	5.67	<0.9	<0.5	96.46	0.05	22	73
114	625156	5538282	45.49	0.17	2.5	<2	<0.9	27	21	11617	209	0.90	22	6.94	<0.9	<0.5	100.68	0.11	31	86
115	625368	5537820	65.18	0.17	2.4	<2	<0.9	12	28	7607	80	1.40	13	5.60	<0.9	<0.5	56.58	0.08	35	130
116	624815	5537711	56.21	0.12	2.2	<2	<0.9	16	22	4492	144	0.84	14	3.30	<0.9	<0.5	84.54	0.12	17	60
117	626110	5537767	41.5	0.13	2.4	<2	<0.9	20	18	8648	142	0.58	18	6.64	<0.9	<0.5	69.38	0.08	21	61
118	625942	5537086	30.33	0.08	1.8	<2	1.57	25	15	11367	158	0.60	19	5.72	<0.9	<0.5	73.76	0.06	24	65
119	624963	5536817	45.89	0.05	4.1	<2	INF	26	39	12910	332	3.72	24	4.26	INF	INF	75.68	0.11	18	54
121	624365	5537284	44.56	0.13	1.8	<2	<0.9	20	20	8095	120	0.84	16	3.58	<0.9	<0.5	56.48	0.06	21	64
122	624348	5536168	15.51	0.06	1.8	<2	<0.9	32	16	15748	300	0.29	23	4.89	<0.9	<0.5	99.04	<0.05	26	69
123	624203	5535285	40.85	0.06	4.0	<2	INF	20	30	12953	275	2.51	20	4.30	INF	INF	71.04	0.10	17	46
124	624346	5534740	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
125	625515	5535292	15.11	0.09	2.7	<2	<0.9	31	19	18429	479	0.42	22	5.08	<0.9	<0.5	114.87	<0.05	28	77
126	626675	5535256	4.38	0.04	1.5	<2	<0.9	12	7	8557	232	0.26	9	2.23	<0.9	<0.5	64.72	<0.05	14	25
127	627765	5537271	32.07	0.07	1.3	<2	<0.9	18	12	8951	134	0.45	15	3.12	<0.9	<0.5	58.69	<0.05	15	47
128	627457	5536489	47.14	0.10	1.9	<2	<0.9	13	17	9072	132	0.75	10	3.94	<0.9	<0.5	58.99	<0.05	18	41
129	627552	5536181	37.63	0.07	1.4	<2	<0.9	14	16	8258	105	0.60	12	4.52	<0.9	<0.5	58.99	<0.05	18	49
131	628272	5535192	19.88	0.09	2.6	<2	INF	31	22	18483	343	0.56	22	6.08	INF	INF	119.56	0.08	32	82
132	628447	5532560	63.95	0.06	3.5	<2	<0.9	13	16	6133	91	1.23	13	5.19	<0.9	<0.5	47.24	0.11	15	76
133	627620	5531559	5.53	0.03	1.7	<2	<0.9	11	6	7343	176	0.13	7	2.74	<0.9	<0.5	56.87	<0.05	13	20
134	626852	5531883	35.86	0.06	3.7	<2	<0.9	22	39	13872	357	2.87	22	7.59	<0.9	<0.5	76.07	0.13	23	49
135	626204	5533499	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
136	625772	5531869	37.7	0.06	2.8	<2	<0.9	27	25	13134	190	0.38	24	5.55	<0.9	<0.5	86.94	0.07	22	66
137	625635	5531429	38.89	0.09	1.7	<2	<0.9	21	21	11336	182	0.51	18	3.80	0.96	<0.5	65.45	<0.05	22	65
138	626132	5531428	33.3	0.05	2.4	<2	<0.9	15	24	7346	168	0.95	16	4.16	<0.9	<0.5	51.91	0.06	11	37
139	627394	5530515	23.25	0.11	3.8	<2	INF	31	30	23155	669	0.92	24	8.07	INF	INF	141.83	0.10	39	93
141	628962	5530791	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
142	629126	5530192	40.31	0.12	3.1	<2	<0.9	21	33	17673	307	0.75	20	5.29	<0.9	<0.5	112.97	0.08	26	104
143	628274	5529865	63.55	0.04	INF	INF	INF	18	49	5868	154	2.98	18	1.49	INF	INF	61.47	0.15	10	59
144	627164	5529342	61.45	0.10	3.0	<2	<0.9	9	31	4926	56	1.84	10	2.56	<0.9	<0.5	55.42	<0.05	13	81
145	625535	5530313	31.01	0.12	2.4	<2	<0.9	29	30	16580	464	0.58	22	5.52	<0.9	0.53	115.24	<0.05	29	77
146	624442	5529148	34.07	0.21	3.0	<2	INF	21	64	15393	813	1.18	17	5.44	INF	INF	172.03	0.08	35	84
148	630293	5518266	85.77	0.04	2.2	<2	<0.9	5	7	1753	43	1.21	<5	3.45	<0.9	<0.5	25.19	0.06	8	76
149	625720	5523250	61.23	0.03	3.1	<2	<0.9	12	12	6455	152	0.84	12	4.48	<0.9	<0.5	32.38	0.06	13	58
151	623106	5524105	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
152	622320	5526039	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
153	622902	5527562	29.44	0.12	6.4	<2	<0.9	32	34	46773	3034	1.10	27	5.68	<0.9	0.66	117.62	0.06	47	97
154	623761	5529115	32.11	0.22	4.8	<2	1.87	27	82	25751	830	1.94	20	4.74	0.91	0.74	205.18	0.07	46	100
155	623924	5530175	44.88	0.11	2.0	<2	<0.9	19	16	13740	418	0.78	13	7.33	<0.9	<0.5	158.99	0.06	42	97
156	**623639**	**5530803**	**47.77**	**0.08**	**5.3**	**<2**	**INF**	**21**	**59**	**14747**	**440**	**3.48**	**21**	**4.64**	**INF**	**INF**	**83.22**	**0.14**	**19**	**50**
157	621997	5530313	44.78	0.06	2.4	<2	<0.9	12	37	7204	141	0.88	12	2.47	<0.9	<0.5	102.05	0.07	19	46
158	621489	5530722	42.4	0.02	2.4	<2	<0.9	12	25	5749	82	0.64	13	4.08	<0.9	<0.5	53.18	0.05	12	66
159	621919	5531563	42.18	0.08	2.8	<2	<0.9	26	19	13735	208	0.83	23	5.03	<0.9	<0.5	92.85	0.07	28	67
161	621130	5531361	42.44	0.08	3.1	<2	<0.9	26	22	14658	216	0.79	21	5.00	<0.9	<0.5	88.39	0.09	26	80
162	**620422**	**5533737**	**24.57**	**0.09**	**2.6**	**<2**	**<0.9**	**29**	**20**	**16560**	**343**	**0.29**	**21**	**8.51**	**<0.9**	**<0.5**	**95.31**	**0.11**	**26**	**70**
163	619758	5533187	68.41	0.06	2.4	<2	INF	19	16	10260	307	1.32	19	3.06	INF	INF	42.02	0.10	21	81
164	623559	5539005	33.81	0.04	2.2	<2	<0.9	20	21	9124	156	0.70	18	3.04	<0.9	<0.5	90.28	<0.05	20	43
165	623865	5539644	19.82	0.03	3.2	<2	<0.9	19	19	11453	326	1.00	16	2.92	<0.9	<0.5	75.90	<0.05	19	44
166	623178	5539930	11.59	0.06	2.4	<2	6.91	23	14	14730	416	0.23	16	3.22	<0.9	<0.5	104.33	<0.05	25	51
167	**621963**	**5537652**	**14.12**	**0.04**	**1.6**	**<2**	**<0.9**	**22**	**14**	**11740**	**291**	**0.26**	**16**	**2.99**	**<0.9**	**<0.5**	**84.01**	**<0.05**	**19**	**44**
168	622817	5538213	14.93	0.03	4.0	<2	INF	22	20	10624	232	1.71	18	2.96	INF	INF	61.56	0.08	20	29
169	622578	5538965	13.63	0.04	4.7	<2	<0.9	41	36	22245	386	1.93	31	5.88	<0.9	0.60	111.66	0.07	39	60
171	619414	5535825	19.01	0.09	2.0	<2	<0.9	35	23	18398	320	0.32	24	4.98	<0.9	0.53	113.39	0.06	30	66
172	620202	5535996	12.34	0.04	1.4	<2	<0.9	18	15	9126	187	0.45	12	2.73	<0.9	<0.5	71.17	<0.05	17	29
173	**620820**	**5536720**	**24.33**	**0.04**	**2.4**	**<2**	**<0.9**	**25**	**27**	**13838**	**390**	**0.67**	**22**	**3.52**	**<0.9**	**<0.5**	**91.39**	**0.05**	**22**	**51**
174	620503	5538211	22.82	0.09	3.2	<2	INF	30	24	16457	424	0.43	22	7.92	INF	INF	118.36	0.12	39	65
175	621368	5538898	20.5	0.08	2.6	<2	<0.9	29	21	15693	469	0.50	22	3.94	<0.9	0.53	105.32	<0.05	25	58
176	620891	5539907	15.16	0.02	3.3	<2	<0.9	22	28	14086	321	1.72	21	3.21	<0.9	0.80	77.83	0.06	25	37
177	620063	5539799	50.1	0.03	1.7	<2	INF	5	12	3570	41	0.61	9	1.92	INF	INF	67.03	<0.05	9	40
178	**618378**	**5539439**	**27.12**	**0.13**	**2.8**	**<2**	**<0.9**	**33**	**25**	**19741**	**520**	**0.49**	**26**	**4.84**	**<0.9**	**<0.5**	**164.88**	**<0.05**	**38**	**104**
179	617818	5539425	19.92	0.08	2.3	<2	<0.9	30	21	19885	536	0.31	23	4.36	<0.9	0.52	153.11	<0.05	35	94
181	615703	5539345	18.18	0.05	3.6	<2	<0.9	29	18	16509	362	0.75	21	4.17	<0.9	<0.5	92.96	0.05	28	77
182	616108	5537351	52.87	0.06	2.9	<2	<0.9	15	22	6974	77	1.35	17	3.46	<0.9	<0.5	68.64	0.10	16	60
183	616206	5536231	41.07	0.12	2.6	<2	INF	27	25	15203	246	0.86	21	4.35	INF	INF	173.95	0.06	28	83
184	**616724**	**5537027**	**25.45**	**0.08**	**2.4**	**<2**	**<0.9**	**30**	**20**	**15719**	**320**	**0.39**	**22**	**4.26**	**<0.9**	**<0.5**	**132.74**	**<0.05**	**31**	**74**
185	617479	5537527	24.82	0.08	2.3	<2	<0.9	31	23	19426	434	0.40	22	4.38	<0.9	<0.5	144.56	<0.05	34	90
186	618220	5536270	54.64	0.29	2.4	<2	INF	17	47	11517	210	2.06	15	5.03	INF	INF	150.55	0.08	39	86
187	617719	5533666	9.85	0.06	1.7	<2	<0.9	28	15	16053	263	0.16	18	4.16	<0.9	0.58	103.01	<0.05	27	49
188	618000	5534688	15.72	0.05	2.8	<2	<0.9	37	22	22388	460	0.34	27	5.42	<0.9	0.62	117.03	<0.05	37	66
189	**618375**	**5530452**	**27.05**	**0.12**	**1.9**	**<2**	**INF**	**35**	**40**	**21364**	**440**	**0.94**	**25**	**5.28**	**INF**	**INF**	**118.75**	**<0.05**	**39**	**81**
191	620609	5529407	23.73	0.04	1.0	<2	<0.9	8	8	3601	81	0.16	6	4.35	<0.9	<0.5	40.81	<0.05	9	40
192	620490	5529665	14.64	0.02	1.7	<2	<0.9	6	<5	5488	78	0.34	<5	3.06	<0.9	<0.5	26.75	<0.05	12	27
193	620239	5527266	39.14	0.04	2.3	<2	INF	8	17	4553	60	0.59	13	2.65	INF	INF	31.93	<0.05	8	44
194	622442	5523683	14.61	0.03	2.9	<2	<0.9	26	19	16737	321	0.45	19	5.39	<0.9	<0.5	81.56	<0.05	30	57
195	**621959**	**5525495**	**11.15**	**0.02**	**2.4**	**4**	**<0.9**	**28**	**20**	**17834**	**325**	**0.63**	**21**	**5.29**	**<0.9**	**0.64**	**83.54**	**<0.05**	**32**	**50**
196	618028	5529627	60.73	0.04	2.1	<2	INF	13	28	3772	110	0.91	14	4.55	INF	INF	29.37	0.10	10	52
197	617093	5529757	54.89	0.08	1.9	<2	INF	8	35	3890	104	1.07	12	2.37	INF	INF	33.17	0.06	11	67
198	617668	5530632	38.05	0.08	2.3	<2	<0.9	19	33	10740	168	0.72	18	5.50	<0.9	<0.5	75.04	0.06	21	66
199	616497	5530813	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
201	**615213**	**5530956**	**12.99**	**0.06**	**2.5**	**<2**	**<0.9**	**35**	**18**	**20556**	**429**	**0.21**	**24**	**6.02**	**<0.9**	**0.56**	**105.18**	**<0.05**	**34**	**60**

	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
202	614641	5531726	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
203	615705	5532273	15.64	0.09	2.4	<2	<0.9	40	21	22526	369	0.33	28	8.61	<0.9	<0.5	117.76	0.05	37	72
204	616488	5533014	16.09	0.05	3.0	<2	<0.9	41	20	22507	358	0.24	28	11.16	<0.9	<0.5	112.43	0.05	38	72
205	615563	5535545	33.37	0.04	2.6	<2	<0.9	24	17	12144	157	0.52	21	5.64	<0.9	<0.5	97.24	0.08	22	71
206	**614010**	**5535613**	**36.75**	**0.06**	**3.0**	**<2**	**<0.9**	**21**	**19**	**11393**	**183**	**0.84**	**18**	**5.34**	**<0.9**	**<0.5**	**91.04**	**0.10**	**22**	**66**
207	612116	5535297	28.67	0.11	3.7	<2	INF	33	23	19391	351	0.47	23	7.86	INF	INF	144.62	0.11	36	114
208	611270	5534452	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
209	611083	5536056	28.77	0.11	3.4	<2	<0.9	34	24	19286	341	0.58	23	8.96	<0.9	<0.5	153.14	0.10	35	116
211	610622	5536337	39.44	0.04	2.5	<2	<0.9	20	19	9757	161	0.75	19	4.49	<0.9	<0.5	110.59	0.08	25	61
212	**611643**	**5536681**	**49.38**	**0.13**	**2.4**	**<2**	**<0.9**	**17**	**23**	**7446**	**106**	**0.86**	**17**	**3.73**	**<0.9**	**<0.5**	**96.86**	**0.10**	**19**	**74**
213	614133	5537251	65.53	0.06	2.5	<2	INF	12	17	4861	50	1.22	12	4.25	INF	INF	71.18	0.12	13	58
214	613775	5538356	52.67	0.03	2.4	<2	<0.9	11	12	5778	134	0.59	13	6.66	<0.9	<0.5	48.51	0.09	11	46
215	613115	5538560	58.3	0.04	2.3	<2	<0.9	8	13	3550	55	0.82	10	3.06	<0.9	<0.5	77.14	0.06	11	30
216	611699	5538273	18.35	0.10	2.8	<2	<0.9	38	28	20876	335	0.28	26	6.84	<0.9	<0.5	122.70	0.06	39	81
217	**612211**	**5539080**	**28.25**	**0.09**	**2.4**	**<2**	**<0.9**	**29**	**17**	**18181**	**370**	**0.39**	**21**	**5.28**	**<0.9**	**<0.5**	**149.87**	**<0.05**	**33**	**111**
218	612998	5539552	35.93	0.07	2.3	4	<0.9	16	15	9252	214	0.64	14	4.69	<0.9	<0.5	89.57	0.09	19	53
219	610137	5539205	23.21	0.04	2.5	<2	<0.9	20	14	10491	142	0.71	14	3.64	<0.9	<0.5	99.05	0.06	23	59
221	606412	5537313	60.24	0.06	3.1	<2	<0.9	6	9	2703	55	1.24	8	3.99	<0.9	<0.5	25.61	0.08	12	53
222	604196	5539554	18.94	0.07	2.6	<2	<0.9	35	18	20440	653	0.34	25	7.46	<0.9	0.53	122.18	0.08	35	87
223	**603731**	**5538270**	**39.47**	**0.03**	**2.7**	**<2**	**<0.9**	**14**	**13**	**7332**	**147**	**0.56**	**14**	**4.38**	**<0.9**	**<0.5**	**66.31**	**0.06**	**18**	**59**
224	604084	5536494	55.76	0.04	2.7	<2	<0.9	10	18	6392	136	0.85	12	2.59	<0.9	<0.5	52.66	<0.05	12	63
225	605559	5536400	38.42	0.05	3.9	<2	<0.9	22	21	12537	160	0.72	18	4.72	<0.9	1.03	128.79	0.08	34	68
226	605478	5535279	36.47	0.06	4.2	<2	<0.9	19	18	11376	191	0.56	16	8.38	<0.9	<0.5	102.94	0.12	27	60
227	606151	5534961	29.13	0.05	4.0	<2	<0.9	24	24	13525	263	1.28	20	4.80	<0.9	<0.5	81.14	0.09	24	62
228	**607059**	**5535334**	**23.76**	**0.04**	**2.7**	**<2**	**<0.9**	**25**	**16**	**13008**	**247**	**0.43**	**19**	**4.65**	**<0.9**	**<0.5**	**95.62**	**0.06**	**23**	**69**
229	607299	5534324	41.28	0.05	4.2	<2	<0.9	20	26	9895	241	1.08	18	4.91	<0.9	<0.5	99.44	0.12	21	58
231	607925	5535509	23.11	0.08	3.3	<2	<0.9	28	17	15725	281	0.50	20	6.37	<0.9	<0.5	109.69	0.09	28	80
232	608348	5536344	24.09	0.10	2.6	<2	<0.9	30	18	16830	316	0.59	22	5.89	<0.9	<0.5	115.13	0.10	30	85
233	609022	5536304	28.13	0.09	3.1	<2	<0.9	30	19	16041	291	0.60	22	4.80	<0.9	<0.5	110.36	0.05	28	87
234	**609695**	**5535987**	**32.78**	**0.07**	**2.6**	**<2**	**<0.9**	**20**	**17**	**8990**	**183**	**0.73**	**16**	**4.14**	**<0.9**	**<0.5**	**99.51**	**0.06**	**21**	**58**
235	609763	5533080	66.76	0.05	2.0	<2	INF	13	23	7112	131	2.51	10	2.87	INF	INF	72.61	0.09	17	51
236	610618	5532950	48.59	0.04	2.5	<2	INF	11	20	1531	32	1.39	17	2.41	INF	INF	23.57	0.06	7	39
237	612227	5531640	42.08	0.04	1.9	<2	<0.9	<4	13	1709	46	1.85	6	2.94	<0.9	<0.5	21.04	0.06	6	33
238	611688	5531259	49.21	0.05	2.2	<2	<0.9	5	12	2525	59	1.24	8	2.46	<0.9	<0.5	17.73	0.05	<5	34
239	**611395**	**5530730**	**20.79**	**0.10**	**2.4**	**<2**	**<0.9**	**36**	**23**	**18580**	**287**	**0.36**	**26**	**7.06**	**<0.9**	**<0.5**	**93.25**	**0.08**	**30**	**64**
241	612639	5530800	16.14	0.10	1.8	<2	<0.9	36	22	20425	346	0.40	26	5.63	<0.9	<0.5	104.19	0.07	33	63
242	613841	5531262	17.15	0.08	1.7	<2	<0.9	38	21	21827	448	0.30	27	6.66	<0.9	0.57	112.10	0.09	34	66
243	622496	5517814	41.97	0.06	6.5	<2	<0.9	12	31	8121	60	6.27	10	3.84	1.37	<0.5	46.87	0.10	25	45
244	616506	5514628	52.96	0.08	2.5	<2	<0.9	17	22	8425	118	0.86	17	3.62	<0.9	<0.5	68.94	0.08	23	72
255	**602174**	**5514835**	**48.11**	**0.18**	**3.5**	**<2**	**<0.9**	**23**	**31**	**18322**	**448**	**2.53**	**19**	**9.41**	**<0.9**	**<0.5**	**184.00**	**0.20**	**36**	**85**
258	599228	5517031	30.4	0.20	3.2	<2	<0.9	40	31	29446	804	1.15	28	8.23	<0.9	<0.5	180.62	0.10	60	102
259	597825	5518786	27.74	0.08	4.1	<2	1.05	30	35	16594	362	1.97	27	5.41	<0.9	0.70	89.20	0.11	32	49
261	596702	5519971	16.37	0.06	3.2	<2	<0.9	28	24	17114	478	0.75	23	5.46	<0.9	<0.5	86.70	0.06	30	54
262	595470	5520206	19.63	0.08	2.7	10	<0.9	38	23	22610	379	0.60	28	8.59	<0.9	<0.5	118.23	0.13	41	76
263	**595698**	**5521072**	**8.76**	**0.04**	**1.6**	**<2**	**<0.9**	**18**	**13**	**11373**	**215**	**0.46**	**15**	**3.16**	**<0.9**	**<0.5**	**68.48**	**0.05**	**21**	**35**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
264	595724	5522658	16.09	0.07	2.7	<2	<0.9	35	20	20983	313	0.50	26	7.37	<0.9	<0.5	113.92	0.08	38	72
265	594794	5521250	10.37	0.05	2.4	<2	<0.9	27	17	17356	373	0.51	21	4.51	<0.9	<0.5	92.89	<0.05	31	50
266	593637	5521030	31.67	0.07	3.1	<2	<0.9	29	29	15611	379	0.96	26	5.73	<0.9	<0.5	108.83	0.10	38	68
267	594324	5519694	18.21	0.09	2.8	<2	<0.9	36	26	21019	433	0.63	29	7.15	<0.9	<0.5	124.68	0.08	38	74
268	**593222**	**5519276**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
269	592465	5520186	50.86	0.08	2.4	<2	<0.9	20	17	9431	182	1.00	21	3.93	<0.9	<0.5	67.35	0.05	25	88
271	594574	5516754	20.12	0.10	2.6	<2	<0.9	46	31	28138	462	0.63	35	9.05	<0.9	0.51	146.27	0.09	51	89
272	593324	5517208	53.96	0.08	2.5	<2	INF	18	17	9288	170	1.06	17	7.52	INF	INF	61.65	0.10	23	76
273	593094	5518040	33.55	0.07	2.8	<2	<0.9	27	29	15289	360	1.18	24	6.47	<0.9	<0.5	100.86	0.10	37	60
274	**592012**	**5518080**	**26.05**	**0.11**	**2.9**	**<2**	**<0.9**	**34**	**28**	**20499**	**332**	**0.96**	**28**	**10.01**	**<0.9**	**<0.5**	**129.27**	**0.12**	**45**	**80**
275	595420	5518439	19.38	0.10	3.1	<2	<0.9	41	27	25242	427	0.63	31	9.07	<0.9	<0.5	135.09	0.10	48	79
276	596985	5518102	15.08	0.06	2.1	<2	<0.9	34	21	20608	394	0.56	26	6.65	<0.9	<0.5	113.11	0.08	37	65
277	596445	5516844	20.61	0.11	3.5	<2	<0.9	44	31	26221	395	0.72	34	10.26	<0.9	<0.5	136.50	0.10	49	86
278	595273	5515867	21.82	0.10	3.1	<2	3.45	45	32	26290	385	0.68	35	9.89	<0.9	<0.5	136.78	0.09	50	87
279	**596237**	**5514897**	**17.56**	**0.10**	**3.0**	**<2**	**<0.9**	**38**	**26**	**24554**	**497**	**0.59**	**30**	**8.35**	**<0.9**	**<0.5**	**140.34**	**0.08**	**44**	**76**
281	596356	5514298	16.07	0.09	3.1	<2	<0.9	33	24	21583	491	0.49	25	6.16	<0.9	<0.5	128.55	0.05	38	64
282	596777	5513556	21.21	0.09	3.2	<2	<0.9	37	28	21730	311	0.83	29	8.91	<0.9	<0.5	120.32	0.09	43	73
283	595954	5513841	9.79	0.04	1.3	<2	<0.9	21	14	12912	275	0.50	16	4.05	<0.9	<0.5	80.50	<0.05	24	38
284	596113	5512837	18.47	0.08	1.7	<2	<0.9	40	26	22480	389	0.64	31	6.42	<0.9	<0.5	117.98	0.06	40	72
285	**597715**	**5512250**	**24.75**	**0.17**	**1.9**	**<2**	**<0.9**	**44**	**28**	**24106**	**419**	**0.57**	**37**	**6.39**	**<0.9**	**<0.5**	**137.91**	**<0.05**	**42**	**117**
286	601797	5513063	48.75	0.10	2.2	<2	<0.9	18	23	10352	164	1.26	14	5.07	<0.9	<0.5	144.49	0.07	32	60
287	602987	5512013	25.66	0.07	2.4	<2	<0.9	35	19	27561	628	0.56	25	4.83	<0.9	<0.5	134.56	<0.05	50	100
288	603699	5512633	48.42	0.13	17.0	<2	<0.9	19	25	7170	131	5.54	9	3.51	1.14	<0.5	41.56	0.13	86	52
291	632240	5516046	49.51	0.12	5.1	<2	<0.9	21	35	17804	220	1.09	20	4.27	0.93	0.61	126.91	0.07	33	89
292	**633003**	**5515405**	**41.62**	**0.09**	**8.4**	**<2**	0.99	**22**	**29**	**21590**	**681**	**1.85**	**16**	**5.31**	**<0.9**	**0.80**	**99.20**	**0.10**	**46**	**85**
293	632343	5515200	33.09	<0.02	9.0	<2	<0.9	10	18	7249	147	2.02	8	2.71	<0.9	<0.5	32.63	<0.05	14	43
294	632598	5514658	46.06	0.10	35.0	<2	<0.9	22	51	68808	6250	4.90	21	4.99	3.06	1.59	116.00	0.16	48	71
295	632118	5514702	22.91	<0.02	5.1	19	<0.9	17	23	11994	474	0.46	13	4.49	<0.9	0.72	65.78	<0.05	23	37
296	637005	5515892	29.2	<0.02	3.1	<2	<0.9	17	19	9479	227	0.52	15	3.44	<0.9	<0.5	115.79	<0.05	18	47
297	**643723**	**5513790**	**18.88**	**<0.02**	**2.6**	**<2**	**<0.9**	**16**	**17**	**11078**	**205**	**1.33**	**14**	**2.67**	**<0.9**	**0.73**	**61.38**	**0.06**	**18**	**36**
298	643281	5513927	61.82	<0.02	5.5	<2	<0.9	13	37	12048	204	4.17	19	3.60	1.00	0.62	69.66	0.13	15	70
299	642611	5513288	50.53	<0.02	4.6	<2	<0.9	20	35	10395	219	1.96	23	8.12	<0.9	<0.5	108.93	0.18	23	83
301	642600	5514088	40.85	<0.02	5.0	3	<0.9	10	23	3226	62	0.92	14	2.68	<0.9	0.66	107.41	<0.05	10	46
302	642297	5514788	47.98	<0.02	6.2	<2	<0.9	22	31	12451	163	1.79	17	4.58	1.14	0.55	146.85	0.11	37	65
303	**644441**	**5516418**	**53.76**	**0.04**	**INF**	**INF**	**INF**	**24**	**33**	**9891**	**82**	**2.10**	**22**	**3.46**	**INF**	**INF**	**81.70**	**0.11**	**22**	**56**
304	643529	5516002	50.87	<0.02	9.1	<2	<0.9	14	31	10690	111	2.40	16	3.37	1.07	0.52	107.83	0.08	15	61
305	642140	5515526	37.82	0.07	4.1	<2	<0.9	23	26	11949	227	0.63	18	8.19	<0.9	<0.5	107.25	0.11	22	94
306	641634	5515955	59.23	<0.02	20.0	<2	1.26	20	40	19758	455	3.00	15	4.35	2.83	1.12	76.96	0.17	33	78
307	641352	5516081	60.71	<0.02	45.0	<2	<0.9	16	42	20229	692	6.95	11	6.06	2.84	1.06	57.55	0.37	56	64
308	**641472**	**5515160**	**33.78**	**<0.02**	**2.3**	**<2**	**<0.9**	**17**	**10**	**8866**	**102**	**0.25**	**14**	**4.58**	**<0.9**	**<0.5**	**34.89**	**<0.05**	**16**	**62**
309	640472	5515368	36.12	0.18	7.8	<2	INF	26	22	10906	333	2.07	18	3.33	INF	INF	51.45	0.13	22	57
311	639836	5515418	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
312	639418	5515333	47.53	0.03	2.4	<2	<0.9	15	27	4547	52	0.66	14	3.27	<0.9	<0.5	75.60	<0.05	20	45
313	640688	5514984	42.42	<0.02	4.0	<2	<0.9	28	33	18070	340	1.29	19	7.02	<0.9	<0.5	127.15	0.12	43	85
314	**640100**	**5514841**	**50.63**	**0.06**	**5.4**	**<2**	**1.35**	**30**	**39**	**18479**	**332**	**1.82**	**23**	**5.46**	**1.02**	**0.66**	**120.14**	**0.14**	**36**	**109**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
315	640669	5514354	47.85	<0.02	1.5	<2	<0.9	10	13	3979	73	0.45	9	1.89	<0.9	<0.5	40.47	<0.05	12	35
316	639749	5513887	45.85	<0.02	4.5	<2	<0.9	24	32	12043	151	1.45	27	5.98	<0.9	<0.5	132.87	0.06	25	83
317	639731	5514447	40.12	<0.02	4.5	<2	<0.9	29	34	23363	412	1.48	22	6.73	<0.9	<0.5	134.84	0.13	34	101
318	639032	5514573	48.97	0.02	6.1	<2	<0.9	26	43	19991	463	2.56	26	5.66	<0.9	<0.5	143.96	0.12	31	95
319	**639020**	**5516057**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
321	640218	5516319	41.65	0.04	5.9	6	<0.9	35	76	18420	470	3.14	32	5.76	0.93	0.73	259.96	0.22	40	135
322	640725	5516984	36.5	0.05	5.6	<2	1.20	29	50	18130	552	2.21	24	4.56	<0.9	0.64	227.03	0.12	35	103
323	641764	5516936	43.16	0.08	2.8	<2	<0.9	29	28	9993	220	1.74	17	7.45	<0.9	<0.5	189.23	0.15	38	29
324	642349	5517559	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
325	**643533**	**5518959**	**23.5**	**<0.02**	**3.6**	**<2**	**<0.9**	**30**	**32**	**17044**	**233**	**1.03**	**21**	**5.21**	**<0.9**	**0.57**	**111.63**	**<0.05**	**27**	**78**
326	642880	5518347	26.43	0.09	3.0	<2	<0.9	30	38	14530	201	1.08	22	4.86	<0.9	0.59	109.44	0.09	24	76
327	643647	5520084	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
328	643127	5519872	41.15	0.05	6.3	<2	INF	28	61	16541	337	4.02	29	6.05	INF	INF	95.83	0.20	25	80
329	643809	5520672	31.47	0.13	3.4	4	<0.9	30	37	15265	183	1.32	23	7.61	<0.9	0.67	111.25	0.12	26	79
331	**643218**	**5520529**	**46.06**	**0.06**	**3.6**	**<2**	**<0.9**	**16**	**29**	**7393**	**85**	**1.46**	**21**	**8.27**	**<0.9**	**<0.5**	**85.35**	**0.13**	**16**	**57**
332	642194	5520409	56.14	0.10	3.4	<2	<0.9	20	33	13767	221	1.23	19	3.62	<0.9	<0.5	130.99	0.09	27	85
333	641896	5520553	57.69	0.22	3.1	<2	1.35	20	54	19840	451	1.48	20	4.77	1.36	<0.5	150.56	0.11	46	72
334	642101	5519307	33.4	0.10	4.3	<2	<0.9	26	35	21028	521	1.09	24	4.21	<0.9	0.63	188.13	0.06	30	89
335	641568	5518440	31.11	0.05	2.9	<2	<0.9	24	31	13780	319	1.20	22	4.07	<0.9	<0.5	156.59	<0.05	23	76
336	**640924**	**5519922**	**47.54**	**0.22**	**2.6**	**<2**	**1.09**	**22**	**69**	**10020**	**157**	**1.08**	**21**	**4.37**	**1.52**	**0.70**	**187.85**	**0.11**	**34**	**63**
337	640547	5519404	61.4	0.22	3.4	<2	1.34	22	57	23926	296	1.60	18	5.10	1.07	0.89	198.94	0.09	60	56
338	641338	5524290	67.58	0.03	3.5	<2	<0.9	9	11	5789	158	0.84	9	4.41	<0.9	0.65	22.59	0.07	12	56
339	640547	5524966	48.01	0.07	3.1	<2	<0.9	14	29	7843	439	0.80	13	3.49	<0.9	<0.5	59.06	0.09	13	130
341	638871	5521769	43.94	0.03	3.3	<2	<0.9	12	21	7326	108	0.99	14	4.37	<0.9	<0.5	109.71	0.08	15	46
342	**638481**	**5521451**	**47.54**	**0.04**	**3.5**	**<2**	**<0.9**	**13**	**31**	**7938**	**130**	**1.25**	**16**	**2.85**	**<0.9**	**<0.5**	**95.64**	**0.11**	**17**	**57**
343	637537	5521458	62.08	0.02	2.5	<2	<0.9	7	17	4089	113	1.17	9	2.74	<0.9	<0.5	46.33	0.06	9	44
344	633068	5516930	63.58	0.05	1.7	<2	<0.9	4	27	1310	89	1.95	8	1.49	<0.9	<0.5	24.94	0.08	<5	49
345	633231	5516324	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
346	633875	5516776	42.24	0.06	10.0	<2	<0.9	24	43	18334	588	1.81	22	6.49	<0.9	0.56	94.95	0.12	38	62
347	**633642**	**5517155**	**46.3**	**0.12**	**8.1**	**<2**	**2.41**	**26**	**50**	**19872**	**718**	**2.18**	**23**	**6.94**	**1.94**	**0.74**	**130.63**	**0.16**	**59**	**78**
348	634372	5517964	38.54	0.03	4.6	<2	<0.9	13	21	9654	333	1.04	13	2.77	<0.9	<0.5	44.04	0.05	28	35
349	634575	5517648	20.26	0.03	4.0	<2	<0.9	28	22	20738	379	0.69	21	8.85	1.36	1.00	81.90	0.16	39	61
351	635463	5517172	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
352	636102	5518151	5.75	<0.02	3.8	<2	<0.9	13	9	12866	353	0.40	10	3.22	<0.9	<0.5	51.08	0.06	19	29
353	**636670**	**5518991**	**70.22**	**0.03**	**13.0**	**<2**	**INF**	**19**	**24**	**17243**	**206**	**8.68**	**14**	**3.92**	**INF**	**INF**	**88.95**	**0.08**	**19**	**41**
354	637719	5518497	64.28	0.08	3.8	<2	INF	13	25	10142	184	2.32	13	3.93	INF	INF	68.99	0.14	18	64
355	638805	5517879	37.38	0.07	5.6	<2	<0.9	23	40	11979	321	1.27	25	3.98	<0.9	<0.5	201.24	0.10	25	89
356	639209	5517619	48.35	0.12	1.9	<2	<0.9	17	33	7160	96	0.89	15	4.99	<0.9	<0.5	176.31	0.10	36	63
357	639358	5518388	44.31	0.14	4.0	<2	0.96	24	35	13581	372	1.07	20	5.26	1.24	<0.5	175.05	0.11	39	78
358	**638403**	**5519450**	**55.43**	**0.04**	**3.6**	**<2**	**<0.9**	**18**	**22**	**11903**	**270**	**1.75**	**16**	**3.30**	**<0.9**	**<0.5**	**85.32**	**0.11**	**21**	**57**
359	638468	5520277	59.59	0.09	6.0	<2	<0.9	14	27	14437	189	2.27	12	6.23	1.67	<0.5	100.73	0.15	34	62
361	638305	5520737	69.81	0.03	4.7	<2	INF	9	25	5717	100	2.48	10	2.66	INF	INF	38.01	0.09	13	55
362	637048	5520499	67.68	0.12	3.2	4	INF	15	23	6068	160	1.37	13	4.97	INF	INF	45.88	0.14	22	99
363	637161	5520211	78.02	0.07	3.3	<2	INF	11	26	7522	207	2.78	12	3.11	INF	INF	49.31	0.11	13	65
364	**637087**	**5519502**	**61.67**	**0.05**	**4.6**	**<2**	**<0.9**	**13**	**24**	**8195**	**301**	**1.74**	**13**	**6.44**	**1.48**	**0.56**	**58.21**	**0.24**	**21**	**67**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	---------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	---------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	---------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
365	636440	5519815	61.81	0.13	1.9	<2	<0.9	13	50	3690	105	1.32	12	3.88	1.06	<0.5	113.84	0.10	18	100
366	636455	5520334	51.95	0.13	3.0	<2	0.99	17	78	5689	90	1.53	15	4.09	2.12	<0.5	161.09	0.11	17	73
367	635340	5519947	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
368	635472	5521023	52.91	0.09	50.4	<2	<0.9	17	44	106182	4835	5.87	19	3.71	2.98	1.00	45.15	0.18	50	74
369	**635538**	**5521466**	**37.72**	**0.11**	**22.0**	**<2**	**<0.9**	**38**	**58**	**23507**	**911**	**5.63**	**23**	**4.58**	**6.39**	**1.82**	**63.51**	**0.40**	**63**	**73**
371	635168	5520976	78.91	0.09	5.2	<2	INF	11	15	4785	140	2.20	10	6.67	INF	INF	20.64	0.13	11	92
372	634986	5520429	75.03	0.07	4.8	<2	INF	7	20	4539	202	2.27	7	2.84	INF	INF	16.60	0.10	12	43
373	634615	5520227	66.67	0.15	7.2	<2	INF	12	19	11918	342	2.39	13	6.51	INF	INF	30.21	0.21	20	109
374	634215	5520336	58.85	0.13	4.3	<2	INF	12	28	9525	256	1.36	13	3.14	INF	INF	69.14	0.08	21	74
375	**633700**	**5520276**	**61.74**	**0.20**	**6.9**	**<2**	**<0.9**	**17**	**103**	**13422**	**150**	**1.21**	**18**	**4.42**	**2.82**	**1.01**	**225.72**	**0.18**	**25**	**43**
376	634907	5519588	60.12	0.04	7.0	<2	<0.9	14	27	10071	139	3.19	15	3.65	<0.9	<0.5	37.71	0.07	17	77
377	634507	5519123	56.85	0.25	3.2	<2	<0.9	18	47	7781	201	2.16	15	3.75	1.17	<0.5	80.93	0.17	34	106
378	634302	5518911	19.46	0.08	11.0	<2	<0.9	19	11	7379	79	0.25	12	8.30	<0.9	<0.5	30.24	0.08	20	63
379	633900	5518909	46.7	0.15	1.6	<2	<0.9	18	28	98269	425	0.84	18	20.60	<0.9	0.55	48.87	0.26	38	79
381	**634363**	**5519389**	**25.28**	**0.06**	**3.1**	**<2**	**1.48**	**34**	**25**	**20158**	**277**	**1.18**	**25**	**4.88**	**2.55**	**1.18**	**37.79**	**0.17**	**44**	**65**
382	634084	5519235	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
383	633736	5519310	28.98	0.04	16.0	7	<0.9	11	40	5682	128	2.92	10	2.15	1.63	0.57	54.28	0.13	16	39
384	633161	5519529	61.94	0.12	10.0	<2	<0.9	16	28	8991	145	1.02	13	4.69	<0.9	<0.5	111.39	0.19	24	67
385	633259	5519846	58.92	0.14	2.7	<2	<0.9	18	38	10868	270	1.33	18	5.17	<0.9	<0.5	137.62	0.16	26	89
386	**634318**	**5518617**	**60.24**	**0.08**	**6.0**	**<2**	**<0.9**	**14**	**20**	**5512**	**109**	**1.39**	**10**	**3.84**	**1.10**	**<0.5**	**34.80**	**0.14**	**34**	**58**
387	633969	5518652	50.34	0.14	3.1	<2	<0.9	19	32	6838	100	1.21	15	4.69	<0.9	<0.5	60.93	0.18	31	80
388	633506	5518637	15.89	0.04	1.8	<2	<0.9	15	10	6577	84	0.41	10	3.82	<0.9	<0.5	48.43	<0.05	16	49
389	633829	5518422	25.98	0.17	1.7	<2	<0.9	25	26	7456	76	0.61	16	5.94	<0.9	<0.5	75.71	0.08	23	57
391	634869	5516569	39.81	0.04	5.9	<2	<0.9	16	18	11689	203	0.89	14	3.69	<0.9	<0.5	118.15	0.12	34	50
392	**631683**	**5513029**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
393	631332	5512524	18.04	0.06	21.0	<2	<0.9	29	41	22831	1365	3.74	19	5.54	2.06	1.03	74.57	0.22	61	52
394	630800	5511870	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
395	623581	5520970	70.41	0.08	3.6	<2	<0.9	13	26	5027	118	1.90	20	4.84	<0.9	<0.5	43.29	0.17	17	71
396	616944	5524839	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
397	**616139**	**5526526**	**19.1**	**0.07**	**2.4**	**<2**	**<0.9**	**35**	**17**	**19108**	**480**	**0.52**	**25**	**4.51**	**<0.9**	**<0.5**	**98.18**	**0.07**	**35**	**75**
398	615883	5527266	23.1	0.11	2.6	<2	<0.9	42	21	23887	424	0.38	31	7.18	<0.9	<0.5	110.69	0.06	43	95
399	614209	5526878	17.46	0.04	2.4	<2	<0.9	22	17	13009	267	1.83	17	4.14	<0.9	<0.5	70.75	0.08	24	39
401	615634	5528196	41.98	0.04	2.8	<2	<0.9	23	29	12522	376	1.54	20	3.36	<0.9	0.52	76.20	0.08	30	57
402	613536	5528473	56.14	0.06	1.9	9	<0.9	16	10	3013	52	1.05	9	4.51	<0.9	0.80	42.93	0.08	17	62
403	**617024**	**5528533**	**36.19**	**0.04**	**1.6**	**<2**	**<0.9**	**13**	**25**	**5603**	**163**	**0.77**	**12**	**2.41**	**<0.9**	**<0.5**	**43.09**	**<0.05**	**12**	**47**
404	617396	5528668	35.63	0.07	0.8	<2	2.19	17	30	8518	260	0.40	15	2.93	<0.9	<0.5	62.41	0.06	17	58
405	614240	5530364	83.21	0.02	1.4	<2	INF	10	11	1338	47	1.22	9	1.81	INF	INF	21.95	0.06	11	38
406	612340	5529073	51.09	0.04	2.7	<2	<0.9	8	18	3066	41	1.07	11	4.13	<0.9	<0.5	44.82	0.09	10	40
407	612077	5527221	15.91	0.07	3.4	<2	<0.9	38	19	22536	455	0.48	24	4.56	<0.9	<0.5	117.79	0.05	42	71
408	**608492**	**5528722**	**55.06**	**0.06**	**2.7**	**<2**	**<0.9**	**15**	**19**	**5161**	**75**	**2.57**	**15**	**2.86**	**<0.9**	**<0.5**	**54.17**	**0.10**	**16**	**56**
409	608804	5529764	30.06	0.08	3.0	<2	14.17	30	21	17462	545	0.82	20	3.74	<0.9	<0.5	112.93	0.08	35	84
411	609792	5529521	27.82	0.09	3.0	<2	<0.9	28	21	16203	451	0.71	19	4.76	<0.9	<0.5	106.04	0.09	33	79
412	610600	5530364	27.36	0.05	2.2	<2	<0.9	20	13	9818	159	0.77	16	3.13	<0.9	<0.5	57.41	0.06	20	42
413	606809	5528966	69.75	0.02	3.8	<2	<0.9	10	10	2947	44	1.91	11	2.45	<0.9	<0.5	27.72	0.08	12	66
414	**606189**	**5530566**	**49.57**	**0.06**	**1.6**	**<2**	**<0.9**	**9**	**33**	**5323**	**114**	**1.97**	**13**	**1.62**	**0.91**	**<0.5**	**44.16**	**0.11**	**18**	**72**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
415	606490	5530376	38.55	0.06	1.6	<2	<0.9	9	31	4557	71	2.77	13	1.66	<0.9	<0.5	46.05	0.12	20	55
416	607510	5531417	45.23	0.03	2.4	<2	<0.9	21	17	10534	153	1.24	16	5.14	<0.9	<0.5	70.82	0.09	19	54
417	607870	5531935	64.37	0.04	INF	INF	INF	16	20	5446	96	1.69	12	2.68	INF	INF	51.34	0.08	16	50
418	608679	5532253	63.13	0.08	4.0	<2	INF	15	23	8248	86	2.93	13	4.73	INF	INF	59.46	0.12	18	55
419	609208	5532908	65.15	0.07	INF	INF	INF	24	25	9210	160	1.77	17	2.60	INF	INF	63.46	0.07	21	53
421	605930	5532320	25.08	0.09	2.0	<2	<0.9	36	21	20048	332	0.95	25	5.90	<0.9	<0.5	91.46	0.07	38	72
422	606217	5533790	57.86	0.06	4.4	<2	<0.9	9	19	11169	377	2.04	11	2.26	<0.9	<0.5	27.06	<0.05	27	144
423	603729	5533332	36.13	0.08	2.2	<2	<0.9	29	17	16252	341	0.79	22	4.70	<0.9	<0.5	63.15	<0.05	29	85
424	600654	5530951	47.61	0.12	2.2	<2	<0.9	18	80	6447	76	0.66	22	5.99	1.61	<0.5	199.24	0.09	17	44
425	599581	5529671	25.99	0.16	2.7	<2	<0.9	39	40	20942	436	0.88	28	5.57	<0.9	0.81	154.99	0.08	45	84
426	600340	5529248	35.68	0.10	2.4	<2	<0.9	32	24	19021	248	0.81	27	5.29	<0.9	<0.5	95.29	0.07	36	71
427	601957	5529807	17.19	0.08	2.3	<2	<0.9	30	16	17794	581	0.41	21	4.25	<0.9	0.56	95.73	<0.05	32	71
428	603051	5530292	25.23	0.09	1.7	<2	<0.9	36	18	21007	545	0.62	26	5.24	<0.9	0.54	102.60	<0.05	35	95
429	603911	5530757	22.78	0.04	1.9	<2	<0.9	22	13	12034	277	0.51	16	3.63	<0.9	<0.5	71.30	<0.05	21	59
431	603023	5531229	40.83	0.05	1.7	<2	<0.9	12	20	4784	45	0.86	15	2.33	<0.9	<0.5	44.09	<0.05	9	44
432	602603	5532190	33.19	0.10	1.9	<2	<0.9	27	21	14294	224	0.90	20	4.66	0.93	2.37	64.67	<0.05	24	78
433	603762	5532177	36	0.05	1.6	<2	<0.9	21	15	11154	204	0.93	19	3.41	<0.9	<0.5	64.91	0.06	23	61
434	600869	5536759	21.09	0.07	2.4	<2	<0.9	35	18	18251	531	0.57	24	4.99	<0.9	<0.5	112.95	0.08	35	79
435	600830	5537699	18.1	0.08	2.3	<2	<0.9	37	16	23223	671	0.28	25	5.07	1.17	1.08	127.69	0.05	39	88
436	601162	5538834	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
437	584395	5539085	12.06	0.07	INF	INF	INF	53	23	38358	864	0.64	32	6.98	INF	INF	174.54	0.07	63	87
438	583946	5538255	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
439	582918	5537619	13.95	0.11	3.5	<2	<0.9	63	30	62642	1373	0.80	43	9.34	<0.9	0.69	269.95	0.06	95	120
441	583084	5536775	9.81	0.07	3.2	<2	<0.9	47	19	43076	1083	0.55	32	7.05	<0.9	0.52	186.29	0.07	58	81
442	584379	5536832	15.6	0.09	4.1	<2	<0.9	60	26	83227	4538	1.41	43	12.35	0.99	0.99	259.77	0.13	99	123
443	585082	5538597	16.26	0.09	4.0	<2	<0.9	57	24	55986	1011	1.08	37	12.81	<0.9	0.73	217.12	0.12	77	105
444	586451	5539242	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
445	586067	5538047	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
446	586912	5538179	66.25	0.06	2.7	<2	<0.9	8	11	3204	110	1.00	11	9.08	<0.9	<0.5	22.29	0.17	8	47
447	587721	5538047	55.43	0.11	3.3	<2	<0.9	30	25	17092	284	1.18	25	6.01	<0.9	<0.5	77.83	0.12	31	90
448	587961	5538995	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
449	588370	5538443	25.93	0.07	2.1	<2	<0.9	45	25	24363	315	0.49	36	8.16	<0.9	<0.5	110.22	0.10	36	98
451	589035	5538477	19.19	0.12	2.1	<2	<0.9	55	24	29693	345	0.44	39	9.98	<0.9	0.53	114.84	0.11	47	113
452	589593	5536946	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
453	588260	5536452	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
454	589047	5535302	4.75	<0.02	1.9	<2	<0.9	29	12	20249	434	0.24	20	4.21	<0.9	<0.5	106.84	<0.05	30	45
455	587858	5534094	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
456	586922	5533918	15.25	0.08	4.4	<2	<0.9	48	20	53457	1383	0.87	32	12.85	<0.9	<0.5	175.37	0.13	67	94
457	584664	5534853	14.44	0.10	3.8	<2	<0.9	52	21	62997	2721	1.09	35	9.47	<0.9	0.51	206.94	0.11	75	100
458	584752	5536136	17.53	0.08	4.0	<2	<0.9	53	23	54068	1063	1.11	35	13.45	<0.9	0.51	202.36	0.16	80	103
459	583792	5535987	24.84	0.02	2.3	<2	<0.9	34	17	19067	251	0.63	25	7.28	<0.9	<0.5	106.20	0.11	31	53
461	581564	5535442	39.4	0.14	3.3	<2	<0.9	42	30	24481	393	1.02	35	8.34	<0.9	<0.5	106.78	0.12	42	97
462	581192	5534537	14.7	0.10	2.7	<2	<0.9	56	28	33360	440	0.34	41	10.22	<0.9	0.94	139.84	0.11	50	84
463	582867	5534587	33.71	0.07	2.8	<2	<0.9	30	19	15250	223	0.95	27	5.11	<0.9	<0.5	64.51	0.06	25	111
464	584148	5532696	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
465	585045	5530632	18.73	0.05	3.0	<2	<0.9	46	21	34430	820	0.42	32	7.39	<0.9	<0.5	147.78	0.07	46	84
466	584677	5529616	12.52	0.11	3.3	<2	<0.9	60	23	40882	592	0.33	41	8.35	<0.9	0.59	167.51	0.07	57	99
467	585190	5528248	34.4	0.02	1.6	<2	<0.9	11	25	5177	116	0.72	15	2.49	<0.9	<0.5	41.13	<0.05	8	34
468	586588	5526924	58.55	0.05	3.0	<2	<0.9	21	25	8088	67	1.26	24	7.46	<0.9	<0.5	113.96	0.16	29	84
469	587420	5528257	19.24	0.03	1.4	<2	<0.9	36	24	15033	126	0.39	25	5.54	<0.9	<0.5	76.27	<0.05	28	53
471	587877	5529980	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
472	592602	5532584	53.76	<0.02	3.1	<2	<0.9	15	12	8819	219	0.69	17	5.60	<0.9	<0.5	44.46	0.14	16	65
473	592259	5533323	50.41	0.07	2.6	<2	INF	29	23	13506	151	1.39	25	4.70	INF	INF	74.99	0.11	27	66
474	593203	5533315	53.58	0.04	2.9	<2	<0.9	24	20	14262	183	1.52	20	5.40	<0.9	<0.5	62.86	0.12	26	71
475	594183	5535982	63.96	0.06	INF	INF	INF	26	22	5827	113	1.66	18	3.10	INF	INF	35.29	0.10	17	48
476	594565	5537877	42.09	0.04	4.3	<2	<0.9	25	22	12960	159	1.28	21	6.02	<0.9	<0.5	65.24	0.11	28	61
477	595545	5538907	35.03	0.08	3.0	<2	INF	32	34	18978	585	0.60	24	7.00	INF	INF	115.64	0.08	33	95
478	595592	5539335	29.05	0.08	2.3	<2	<0.9	35	30	19870	705	0.56	26	4.50	<0.9	<0.5	118.41	0.07	34	97
479	596240	5538826	42.73	0.05	2.6	<2	<0.9	22	33	11223	369	0.94	21	3.91	<0.9	<0.5	94.15	0.09	21	53
481	598115	5538395	50.86	0.04	6.7	<2	INF	21	21	6395	108	2.48	15	2.41	INF	INF	45.25	0.08	28	44
482	598602	5538752	48.76	0.04	7.9	<2	INF	20	17	9800	113	3.32	16	3.31	INF	INF	61.49	0.10	35	38
483	598156	5537599	49.19	0.04	13.0	<2	<0.9	17	21	8094	71	3.84	12	4.66	<0.9	<0.5	52.21	0.15	52	32
484	598941	5537247	46.2	0.02	7.6	<2	INF	20	20	9659	88	2.87	17	4.67	INF	INF	72.46	0.15	31	41
485	606737	5527237	37.87	<0.02	3.1	<2	<0.9	12	9	6473	167	1.02	11	3.24	<0.9	<0.5	31.09	<0.05	13	46
486	606888	5526758	43.92	0.04	2.3	<2	<0.9	24	24	12015	288	0.94	21	4.02	<0.9	<0.5	83.93	0.09	26	63
489	621908	5520930	39.86	0.03	2.5	<2	<0.9	18	18	11252	256	1.14	18	2.74	<0.9	<0.5	59.53	<0.05	18	71
491	606287	5525095	52.32	0.04	3.4	<2	<0.9	17	16	7793	83	1.20	16	7.26	<0.9	<0.5	52.85	0.10	20	73
494	602387	5526563	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
495	598700	5528001	38.78	0.22	2.0	<2	<0.9	36	31	14759	179	0.97	31	5.84	<0.9	<0.5	90.41	0.13	42	134
496	598910	5527466	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
501	588990	5526414	48.89	0.06	4.5	<2	<0.9	19	21	8367	74	2.34	15	9.37	<0.9	<0.5	48.78	0.19	27	50
506	596178	5524352	26.26	0.02	1.2	<2	<0.9	21	19	10457	120	0.50	22	3.45	<0.9	<0.5	64.77	<0.05	18	50
507	587847	5521009	56.68	0.03	1.8	<2	<0.9	10	13	8124	102	0.76	13	2.71	<0.9	<0.5	50.35	0.06	15	44
508	587259	5520398	37.45	0.06	2.5	<2	<0.9	29	25	18565	348	0.92	27	4.58	0.94	<0.5	122.36	<0.05	36	82
509	588441	5520560	40.03	0.12	2.7	<2	<0.9	32	27	19322	182	0.96	26	4.99	<0.9	<0.5	133.25	0.06	38	73
511	589165	5521605	17.3	0.15	2.1	<2	<0.9	52	24	31959	505	0.60	37	7.39	<0.9	<0.5	122.13	0.06	59	101
512	589779	5522087	18.85	0.10	1.8	<2	<0.9	42	22	24115	390	0.65	33	5.04	<0.9	0.54	118.01	0.08	38	88
513	589900	5520980	12.33	0.05	1.3	<2	<0.9	41	17	24025	417	0.41	28	5.17	<0.9	0.51	98.87	<0.05	40	80
514	590784	5522197	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
515	620937	5521472	10.21	0.04	2.2	<2	<0.9	24	27	14724	498	3.11	19	3.72	<0.9	<0.5	55.70	0.09	25	36
516	614185	5525531	19.33	0.06	2.3	<2	<0.9	34	19	23034	742	0.61	25	4.50	<0.9	<0.5	108.31	<0.05	41	94
517	613141	5525221	20.72	0.11	2.5	<2	<0.9	41	22	26563	828	0.61	29	5.34	<0.9	<0.5	120.13	<0.05	45	105
518	612362	5525201	44.44	0.06	3.3	<2	<0.9	22	25	11821	237	1.23	21	3.86	<0.9	<0.5	66.44	0.06	25	82
519	612708	5524454	45.93	0.07	3.6	<2	<0.9	23	16	15075	209	1.05	21	7.02	<0.9	<0.5	65.17	0.17	28	98
521	612891	5523648	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
522	611594	5526372	19.74	0.12	3.0	<2	<0.9	37	24	22252	373	0.73	26	6.68	<0.9	<0.5	111.33	0.10	44	77
523	610501	5526346	17.63	0.07	2.4	<2	<0.9	37	21	21608	420	0.69	25	5.05	<0.9	<0.5	113.93	<0.05	41	73
533	600133	5519023	27.14	0.07	3.5	<2	<0.9	32	29	19754	468	1.42	28	4.82	<0.9	0.74	110.88	0.10	34	74
534	599500	5519233	26.15	0.08	2.0	<2	<0.9	37	25	21626	393	0.55	31	5.31	<0.9	0.51	121.96	0.06	35	87
535	591251	5517560	25.17	0.09	1.6	<2	<0.9	37	27	21350	400	0.88	29	5.55	<0.9	<0.5	132.86	0.09	43	78

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	---------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	---------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	---------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
536	589485	5517168	32.82	0.06	1.7	<2	<0.9	28	18	15306	249	0.72	23	3.66	<0.9	<0.5	92.41	<0.05	27	62
537	589247	5518161	19.66	0.10	1.6	<2	<0.9	47	22	26675	469	0.60	35	5.74	<0.9	0.53	127.79	<0.05	48	109
538	588013	5518515	49.79	0.26	2.5	<2	<0.9	25	36	17158	117	4.03	21	6.43	<0.9	<0.5	98.78	0.13	41	68
539	590029	5520201	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
541	587338	5519509	30.96	0.04	2.0	<2	<0.9	22	16	11330	206	0.62	20	4.56	<0.9	<0.5	87.38	0.06	23	54
542	585323	5518471	29.01	0.05	1.5	<2	<0.9	31	19	18891	257	0.61	26	5.39	<0.9	<0.5	95.67	0.07	34	77
543	586581	5517446	28.51	0.08	2.2	<2	<0.9	38	23	26714	515	0.73	29	5.30	<0.9	<0.5	187.60	0.07	45	117
544	585647	5517603	41.33	0.19	4.8	<2	<0.9	32	30	45637	1044	3.33	23	9.15	<0.9	<0.5	211.82	0.16	85	94
545	584834	5517143	29.95	0.22	2.1	<2	<0.9	41	29	31001	574	1.17	27	7.82	<0.9	0.55	249.31	0.11	71	98
546	585120	5516149	47.48	0.06	2.4	<2	<0.9	22	29	9731	172	2.62	19	4.46	<0.9	<0.5	139.09	0.10	27	68
547	583943	5516389	20.46	0.07	1.2	<2	<0.9	35	17	19676	238	0.44	26	4.20	4.39	4.33	94.22	<0.05	34	76
548	588076	5515959	47.76	<0.02	2.9	<2	<0.9	8	10	2772	36	1.89	9	2.68	<0.9	<0.5	36.73	0.07	15	39
549	587589	5516121	39.15	0.10	1.4	<2	<0.9	27	21	14393	232	0.66	22	4.28	<0.9	<0.5	148.98	0.05	35	79
551	587059	5516591	51.51	0.06	2.0	<2	<0.9	20	21	10785	166	0.78	20	3.19	<0.9	<0.5	137.76	0.08	24	54
552	587297	5515145	40.63	0.10	1.8	<2	<0.9	25	28	10077	124	1.19	23	3.23	<0.9	<0.5	225.76	0.09	37	88
553	587483	5513868	27.43	0.03	1.2	<2	<0.9	16	11	7051	72	0.41	15	4.08	<0.9	<0.5	72.00	0.07	14	37
554	586473	5513524	51.56	0.06	1.6	<2	<0.9	11	21	4793	63	0.81	13	2.64	<0.9	<0.5	102.23	0.08	15	41
555	586287	5513389	53.06	0.07	2.3	<2	<0.9	14	20	5747	98	0.93	15	3.14	<0.9	<0.5	126.83	0.09	22	53
556	588365	5513455	41.65	0.09	1.4	<2	<0.9	27	24	14371	218	0.67	23	4.83	<0.9	<0.5	143.59	0.10	40	65
557	588465	5512761	20.93	0.07	2.6	<2	<0.9	35	27	20248	291	0.81	27	6.13	<0.9	<0.5	125.28	0.09	34	66
558	588703	5511919	14.27	0.07	3.0	<2	<0.9	44	28	28180	505	0.42	32	5.84	<0.9	0.61	173.07	0.06	42	83
559	593017	5515471	40.44	0.05	2.0	<2	<0.9	27	22	13466	170	0.91	25	3.94	<0.9	<0.5	70.38	0.07	25	70
561	591901	5513962	25.47	0.04	1.5	<2	<0.9	34	31	16535	342	0.52	25	5.02	<0.9	0.65	98.80	0.07	32	44
562	591278	5512317	23.58	0.05	1.6	<2	<0.9	36	24	19028	355	0.76	27	5.22	<0.9	0.52	128.05	0.07	34	61
563	628988	5518407	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
564	623375	5518917	59.7	0.03	2.9	<2	<0.9	16	20	10110	219	1.75	12	4.87	<0.9	<0.5	51.76	0.13	24	61
582	607176	5520173	43.12	0.04	7.8	<2	<0.9	17	22	5486	56	2.24	6	2.28	2.16	<0.5	31.19	0.13	39	36
583	606547	5520655	48.14	0.06	2.1	<2	<0.9	14	18	6809	145	0.87	16	2.58	<0.9	<0.5	38.35	0.07	16	73
584	605934	5520767	57.16	0.14	1.6	<2	<0.9	34	25	16224	405	0.77	18	7.16	<0.9	<0.5	102.48	0.15	26	52
585	605341	5519720	32.82	0.08	1.6	<2	<0.9	31	22	19287	437	0.61	24	5.59	<0.9	<0.5	91.92	0.09	34	79
586	604153	5520018	44.14	0.05	1.8	<2	<0.9	14	22	6282	110	1.06	17	2.73	<0.9	<0.5	33.75	0.07	11	57
587	603624	5520466	24.82	0.09	2.4	<2	<0.9	43	25	24957	496	0.70	31	9.50	<0.9	<0.5	116.79	0.12	43	89
588	603169	5520932	22.94	0.09	2.5	<2	<0.9	46	26	27407	507	0.70	35	8.02	<0.9	0.54	129.02	0.09	47	100
589	602732	5519686	33.26	0.10	2.2	<2	<0.9	35	26	19610	340	0.85	27	7.16	<0.9	<0.5	105.15	0.10	35	75
591	602655	5518938	33.61	0.12	2.5	<2	<0.9	36	28	21213	323	0.86	30	7.24	<0.9	<0.5	112.00	0.11	39	81
592	602012	5518536	39.02	0.09	2.0	<2	<0.9	32	29	16792	231	0.87	28	5.40	<0.9	<0.5	93.27	0.10	28	69
593	601968	5518122	38.12	0.09	1.7	<2	<0.9	30	28	16000	178	0.82	27	5.14	<0.9	<0.5	95.57	0.11	27	67
594	598018	5515165	40.69	0.11	2.7	<2	<0.9	31	30	17257	213	1.07	24	6.11	<0.9	<0.5	91.73	0.13	37	73
595	597375	5515066	57.75	0.07	2.7	<2	<0.9	21	19	9733	76	1.11	24	5.24	<0.9	<0.5	95.83	0.13	33	102
596	594762	5514261	20.32	0.12	3.1	<2	<0.9	48	32	30499	539	0.76	35	11.40	<0.9	0.52	166.51	0.16	52	87
597	594065	5512910	17.98	0.10	3.1	<2	<0.9	50	32	30880	547	0.84	36	9.58	<0.9	0.55	164.77	0.13	52	88
598	593149	5511754	11.52	0.05	2.0	<2	<0.9	37	21	23626	550	0.55	26	5.65	<0.9	0.59	119.80	0.07	39	61
599	594769	5512025	18.51	0.05	2.5	<2	<0.9	52	32	31195	575	0.58	38	9.85	1.28	0.67	148.87	<0.05	52	86
601	595453	5512714	15.52	0.05	2.7	<2	<0.9	44	29	27754	589	0.67	32	7.24	<0.9	0.57	143.29	<0.05	48	80
602	597746	5513899	51.86	0.22	3.2	<2	<0.9	21	47	15043	248	3.98	21	7.39	0.93	<0.5	78.06	0.10	38	124

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
604	602719	5517616	25.97	0.12	2.8	<2	<0.9	43	27	26197	388	0.66	34	7.51	<0.9	<0.5	114.43	0.12	44	99
605	603950	5518466	24.78	0.10	2.3	<2	<0.9	35	22	20182	325	0.59	28	4.61	<0.9	0.55	93.99	0.08	34	72
606	603874	5517132	31.97	0.11	1.3	<2	<0.9	38	28	20678	361	0.83	29	5.71	<0.9	<0.5	108.97	0.10	39	87
607	605181	5517337	35.23	0.10	4.1	<2	<0.9	29	24	18774	466	1.06	22	4.94	<0.9	<0.5	90.02	0.13	37	75
608	**605244**	**5516413**	**30.73**	**0.06**	**3.5**	**<2**	**<0.9**	**25**	**19**	**13799**	**405**	**1.23**	**19**	**3.83**	**<0.9**	**<0.5**	**77.88**	**0.08**	**30**	**54**
614	630292	5518833	88.66	<0.02	7.9	<2	0.97	5	9	11540	532	3.73	8	1.16	2.80	1.28	12.64	0.09	7	20
615	629490	5519247	46.72	<0.02	5.7	<2	<0.9	24	20	17236	345	2.54	18	3.68	1.57	0.89	57.44	0.07	24	58
616	629817	5520389	24.56	0.11	2.1	<2	0.97	15	130	5933	57	0.45	14	3.47	1.56	<0.5	220.75	0.06	13	34
617	629808	5520114	33.68	0.08	1.8	<2	<0.9	16	26	6380	57	1.27	12	2.83	<0.9	<0.5	61.30	0.08	15	62
618	**630075**	**5519761**	**21.53**	**<0.02**	**1.6**	**<2**	**<0.9**	**14**	**8**	**7479**	**84**	**0.70**	**9**	**3.83**	**<0.9**	**<0.5**	**41.35**	**0.07**	**15**	**51**
619	626339	5520771	33.41	0.12	3.3	<2	<0.9	31	72	16050	681	3.09	23	3.80	1.06	0.54	135.50	<0.05	36	92
621	625765	5520418	32.48	0.14	3.8	<2	<0.9	31	63	22786	1275	2.25	24	3.26	<0.9	0.66	142.63	0.07	39	97
622	624998	5519817	34.35	0.14	4.8	<2	<0.9	32	61	22831	992	2.47	23	5.32	<0.9	0.57	176.11	0.09	50	118
623	623958	5518486	61.58	0.07	3.2	<2	INF	16	29	9717	173	2.07	15	3.64	INF	INF	47.01	0.17	21	83
624	**623768**	**5517790**	**60.81**	**0.04**	**3.1**	**<2**	**INF**	**16**	**21**	**9141**	**186**	**1.84**	**14**	**3.17**	**INF**	**INF**	**52.75**	**0.11**	**25**	**62**
625	622868	5518087	37.17	0.04	5.2	<2	<0.9	15	31	10256	84	4.51	13	2.78	1.59	0.57	50.53	0.10	26	49
628	618495	5522257	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
634	615417	5522690	41.7	0.02	2.9	<2	<0.9	7	9	4449	246	1.04	9	2.37	<0.9	<0.5	26.57	0.06	11	55
635	614195	5522485	39.34	0.05	0.9	<2	INF	10	17	4122	69	0.95	14	2.28	INF	INF	31.51	0.08	12	46
636	**614502**	**5521921**	**44.03**	**0.04**	**2.5**	**<2**	**<0.9**	**15**	**13**	**8968**	**194**	**1.01**	**15**	**2.48**	**<0.9**	**<0.5**	**41.03**	**0.07**	**19**	**58**
637	612182	5518655	47.04	0.04	1.6	<2	<0.9	8	14	4584	181	1.08	8	2.60	<0.9	<0.5	32.24	0.09	9	28
645	615395	5515526	66.17	0.20	2.2	<2	<0.9	24	29	7403	104	1.11	29	3.50	1.09	<0.5	63.62	0.10	34	184
649	618234	5512392	63.89	0.05	3.0	<2	INF	15	19	5842	110	1.90	18	3.54	INF	INF	41.14	0.14	17	79
651	620979	5513889	46.56	0.12	3.8	<2	<0.9	29	34	40311	310	1.20	25	4.87	<0.9	<0.5	74.80	0.14	42	95
652	**619530**	**5514004**	**45.38**	**0.07**	**1.8**	**<2**	**<0.9**	**20**	**25**	**10195**	**164**	**0.88**	**19**	**3.43**	**<0.9**	**<0.5**	**44.92**	**0.09**	**22**	**57**
653	622881	5514714	21.75	0.06	1.8	<2	<0.9	28	19	17281	338	0.60	19	3.50	<0.9	<0.5	66.35	<0.05	33	71
654	623070	5513331	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
655	624620	5512447	9.37	0.05	1.9	<2	1.11	35	18	23006	413	0.32	24	4.00	1.15	0.72	93.45	0.05	37	69
656	625958	5513022	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
657	**627044**	**5516316**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
658	631858	5513275	31.13	0.05	5.0	<2	1.17	18	19	13384	285	1.72	15	3.55	0.97	<0.5	49.51	0.08	24	51
659	631393	5515860	57.08	0.07	3.4	<2	<0.9	15	25	5848	79	1.81	16	3.54	<0.9	<0.5	55.33	0.09	14	80
661	632766	5516112	28.89	0.08	5.7	<2	1.26	19	29	16381	442	1.35	16	4.35	<0.9	<0.5	116.82	0.08	45	70
662	584612	5525900	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
663	**583879**	**5526655**	**23.19**	**0.07**	**1.0**	**<2**	**<0.9**	**18**	**21**	**5404**	**52**	**0.60**	**16**	**4.02**	**<0.9**	**<0.5**	**62.83**	**<0.05**	**19**	**40**
664	582077	5525713	38.65	0.12	2.5	<2	<0.9	26	28	12090	213	1.02	25	3.58	<0.9	0.69	104.91	0.07	31	74
665	583880	5524415	21.9	0.14	2.4	<2	<0.9	48	31	27613	474	0.67	36	5.61	<0.9	<0.5	139.36	0.09	51	93
666	583058	5523293	14.24	0.08	1.8	<2	<0.9	38	24	23434	590	0.44	28	4.72	<0.9	<0.5	126.04	0.06	36	69
667	580578	5524783	36.81	0.03	1.3	<2	<0.9	9	18	3942	65	0.69	13	2.64	<0.9	<0.5	36.04	0.08	10	37
668	**579422**	**5524676**	**19.22**	**0.09**	**1.3**	**<2**	**<0.9**	**39**	**20**	**22678**	**383**	**0.55**	**30**	**4.25**	**<0.9**	**<0.5**	**87.93**	**0.07**	**37**	**103**
669	578714	5523508	26.94	0.17	1.7	<2	<0.9	47	37	29073	386	0.72	37	7.13	<0.9	<0.5	159.92	0.10	52	98
671	577774	5523718	16.91	0.10	2.5	<2	<0.9	49	24	29330	488	0.39	35	7.00	<0.9	<0.5	130.75	0.08	50	85
672	578388	5522391	14.6	0.10	1.2	<2	<0.9	50	22	28410	521	0.39	34	6.68	<0.9	<0.5	129.38	0.08	48	82
673	584079	5520416	28.61	0.04	1.1	<2	<0.9	16	13	7501	76	0.57	13	3.00	<0.9	<0.5	50.24	0.06	15	33
674	**583515**	**5521352**	**7.36**	**0.03**	**4.2**	**<2**	**<0.9**	**29**	**31**	**18003**	**479**	**1.16**	**24**	**3.66**	**<0.9**	**0.65**	**71.89**	**0.06**	**26**	**37**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	---------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	---------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	---------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
675	582225	5521826	22.43	0.12	3.4	<2	<0.9	48	27	28026	553	0.61	35	7.57	<0.9	<0.5	135.99	0.11	54	88
676	581569	5521030	15.86	0.11	3.2	<2	1.72	39	22	24458	775	0.42	28	4.71	<0.9	0.58	126.08	0.06	39	71
677	580428	5520884	10.41	0.07	2.4	<2	<0.9	39	19	24087	609	0.36	29	4.91	<0.9	0.54	115.98	0.05	37	63
678	580088	5521915	18.48	0.11	3.5	<2	<0.9	49	29	30521	516	0.48	36	7.44	<0.9	<0.5	144.14	0.09	54	95
679	578528	5520940	14.23	0.10	2.4	<2	<0.9	52	25	34185	751	0.40	37	6.74	<0.9	0.68	136.39	0.07	57	94
681	582043	5518866	31.63	0.09	<0.5	<2	<0.9	13	13	4400	45	0.81	9	2.69	<0.9	<0.5	34.78	<0.05	14	29
682	582835	5515400	18.37	0.06	1.6	<2	<0.9	30	17	17811	330	0.56	23	4.09	<0.9	5.14	99.03	0.05	32	72
683	582470	5513840	20.81	0.04	1.0	<2	<0.9	23	12	11826	139	0.57	18	3.71	<0.9	<0.5	57.58	<0.05	21	48
684	581722	5514177	26.97	0.13	2.5	<2	<0.9	32	26	18374	220	1.02	26	4.84	<0.9	<0.5	152.09	0.07	43	75
685	581674	5514757	17.11	0.12	2.6	<2	<0.9	43	25	32898	987	0.57	36	5.02	<0.9	<0.5	178.02	0.08	60	114
686	581444	5515610	19.09	0.12	2.7	<2	<0.9	41	25	28844	618	0.68	33	5.10	<0.9	<0.5	163.99	<0.05	55	106
687	580250	5516731	52.97	0.07	1.7	<2	<0.9	16	25	7655	105	1.57	15	2.89	<0.9	<0.5	72.56	0.08	24	42
688	578620	5515779	14.15	0.10	1.3	<2	<0.9	43	19	26502	422	0.29	31	5.26	<0.9	0.52	82.19	0.05	39	88
689	579349	5514106	25.55	0.14	2.0	<2	<0.9	33	28	22686	357	0.59	28	4.35	<0.9	<0.5	118.80	<0.05	42	72
691	582623	5512664	51.7	0.08	2.6	<2	<0.9	13	25	5870	73	1.19	15	4.35	<0.9	<0.5	144.65	0.10	19	35
692	582018	5511470	49.46	0.12	1.9	<2	<0.9	15	26	4962	77	1.09	16	3.51	<0.9	<0.5	137.50	0.10	26	60
693	581675	5511620	39.71	0.12	3.5	<2	<0.9	24	24	23277	251	1.89	15	4.02	<0.9	<0.5	305.86	0.11	49	79
694	581700	5512333	44.76	0.11	4.0	<2	<0.9	39	33	92354	723	2.86	25	4.92	<0.9	<0.5	355.33	0.15	72	132
695	579868	5511921	38.13	0.08	2.4	<2	<0.9	18	18	10691	129	1.08	16	3.23	<0.9	<0.5	126.86	0.09	35	57
696	579870	5512556	61.82	0.10	2.2	<2	<0.9	11	25	9467	132	1.13	11	2.32	<0.9	<0.5	151.71	0.08	30	84
697	579682	5512695	67.71	0.07	2.4	<2	<0.9	13	20	16730	274	1.17	11	3.02	<0.9	<0.5	105.08	0.08	25	124
698	578785	5512295	27.74	0.08	1.7	<2	<0.9	23	19	13756	246	0.51	19	3.31	<0.9	<0.5	134.86	<0.05	32	72
699	576164	5514677	28.49	0.12	1.8	<2	<0.9	39	26	21733	343	0.29	32	5.66	<0.9	<0.5	112.14	0.08	38	96
701	575465	5512489	18.15	0.11	2.4	<2	<0.9	46	27	27450	488	0.37	38	6.90	<0.9	0.56	130.94	0.07	47	101
702	575359	5510881	20.27	0.16	2.4	<2	<0.9	47	35	32531	949	0.69	34	7.23	<0.9	<0.5	165.36	0.09	61	92
703	574243	5511745	23.22	0.15	1.9	<2	<0.9	47	29	28002	393	0.37	36	6.82	<0.9	0.58	125.46	0.07	50	107
704	542558	5505593	54.1	0.09	3.1	<2	INF	23	57	16089	271	1.52	21	4.01	INF	INF	60.93	0.13	29	70
705	550277	5506153	41.17	0.07	2.8	<2	<0.9	13	25	6136	91	1.11	15	4.56	<0.9	<0.5	123.42	0.07	20	39
706	560695	5510068	14.66	0.13	2.5	<2	<0.9	55	42	34437	637	0.74	39	7.49	<0.9	0.53	209.40	0.06	61	90
707	570806	5511005	6.17	0.05	2.4	<2	<0.9	40	24	25350	476	0.49	28	5.90	<0.9	0.54	112.58	0.06	43	57
708	573235	5514076	15.05	0.13	2.3	<2	<0.9	55	30	31832	536	0.40	40	7.65	<0.9	0.54	131.04	0.06	51	89
709	573955	5516265	17.68	0.12	2.1	<2	<0.9	44	29	26236	727	0.47	34	5.62	<0.9	0.54	124.98	0.06	41	79
711	578097	5518534	16.15	0.11	2.5	<2	<0.9	41	27	27266	1096	0.46	33	5.38	<0.9	0.78	116.96	0.07	42	71
712	577222	5518500	17.04	0.13	1.5	<2	<0.9	49	27	29777	509	0.28	37	6.58	<0.9	<0.5	114.92	0.06	48	86
713	576569	5518219	8.83	0.04	2.4	<2	<0.9	21	26	14888	604	2.68	19	2.84	<0.9	<0.5	56.60	0.06	22	36
714	575604	5517880	15.74	0.12	1.0	<2	<0.9	44	26	27298	584	0.32	33	5.89	<0.9	0.56	126.47	0.07	43	79
715	573941	5517556	19.68	0.15	2.1	6	<0.9	48	31	31508	639	0.39	38	7.71	<0.9	<0.5	136.98	0.07	54	87
716	574399	5518495	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
717	574787	5519177	36.72	0.19	2.6	<2	<0.9	47	38	31857	399	0.62	37	7.18	<0.9	<0.5	134.00	0.10	53	97
718	573210	5519492	30.09	0.09	1.9	<2	<0.9	40	24	21233	226	0.65	27	5.02	<0.9	<0.5	56.67	0.07	35	104
719	577745	5519555	15.86	0.11	2.3	<2	9.07	55	26	33492	589	0.36	39	6.86	<0.9	<0.5	115.47	0.07	57	96
721	577270	5520671	11.33	0.09	2.1	<2	<0.9	43	22	28911	925	0.32	31	5.18	<0.9	0.62	117.67	0.06	43	71
722	576211	5519940	12.71	0.09	<0.5	<2	<0.9	52	23	28400	422	0.26	36	5.52	<0.9	<0.5	92.76	0.06	44	82
723	577062	5522633	22.74	0.07	2.6	<2	<0.9	38	26	20915	715	0.63	29	4.47	<0.9	0.63	95.13	0.10	34	72
724	576503	5522179	16.85	0.10	1.8	<2	1.37	52	33	30045	445	0.39	38	7.61	<0.9	0.51	112.93	0.08	54	79

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	---------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	---------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	---------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
725	576096	5522188	19.41	0.11	4.8	<2	<0.9	51	34	28064	523	0.57	40	7.24	<0.9	0.72	132.21	0.10	50	81
726	575388	5522069	17.31	0.10	2.3	<2	<0.9	54	33	31798	449	0.38	41	7.39	<0.9	0.66	130.80	0.08	53	88
727	574333	5520884	17.61	0.13	1.3	<2	<0.9	59	29	35350	430	0.45	41	7.56	<0.9	<0.5	101.70	0.08	59	97
728	573378	5521319	23.65	0.14	1.4	<2	<0.9	54	32	29158	395	0.43	41	6.55	<0.9	<0.5	113.19	0.08	47	94
729	576564	5523532	26.88	0.16	2.9	<2	<0.9	45	37	32321	1153	0.90	32	7.12	<0.9	0.52	157.10	0.09	66	88
731	575087	5523023	42.75	0.09	1.9	<2	<0.9	32	28	17093	230	0.82	27	4.81	<0.9	<0.5	93.72	0.08	36	73
732	574088	5522944	43.46	0.11	2.7	<2	<0.9	30	31	16633	403	0.80	23	5.55	<0.9	<0.5	125.24	0.11	35	79
733	574503	5524122	43.92	0.14	2.7	<2	<0.9	25	34	16827	161	1.33	24	4.25	<0.9	<0.5	133.49	0.11	37	71
734	573694	5524672	45.26	0.08	6.0	<2	INF	20	26	10969	126	2.61	18	2.95	INF	INF	69.90	0.08	28	65
735	573397	5524376	46.06	0.04	4.5	<2	<0.9	17	20	7705	92	2.09	16	3.50	<0.9	<0.5	61.73	0.10	20	47
736	572887	5524412	58.06	0.10	1.9	<2	<0.9	17	17	6158	170	1.17	12	4.84	<0.9	<0.5	36.34	0.07	21	116
737	576927	5524521	19.75	0.09	1.8	<2	3.20	47	31	26650	480	0.46	37	6.11	<0.9	<0.5	123.73	0.07	40	81
738	580540	5528221	23.71	0.04	2.0	<2	<0.9	36	11	16846	351	0.42	17	7.89	<0.9	<0.5	51.99	0.07	27	63
739	581111	5529576	26.64	0.13	2.5	<2	<0.9	51	51	30556	648	0.94	44	7.30	<0.9	0.65	117.63	0.09	51	91
741	580696	5530348	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
742	579723	5531973	25.56	0.11	4.3	<2	<0.9	46	61	30305	921	1.13	39	7.23	<0.9	<0.5	125.28	0.10	53	92
743	578648	5532188	22.21	0.10	2.6	<2	<0.9	56	41	35034	568	0.67	44	8.70	<0.9	0.71	134.43	0.10	59	89
744	578531	5533043	24.74	0.10	3.4	<2	<0.9	51	39	28685	443	0.69	41	7.90	<0.9	0.61	113.19	0.10	48	84
745	580279	5535390	16.28	0.12	3.9	<2	<0.9	58	33	33749	362	0.51	43	10.02	<0.9	<0.5	136.63	0.13	56	90
746	579648	5534838	16.16	0.10	2.3	<2	<0.9	57	32	32334	391	0.49	43	9.10	<0.9	0.64	133.85	0.10	54	88
747	578476	5534364	NS	NS	NS	NS	[illegible]	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
748	577924	5534869	34.34	0.16	3.5	<2	<0.9	52	34	27673	331	0.53	41	8.85	<0.9	<0.5	114.17	0.13	52	101
749	576941	5533925	25.6	0.10	2.5	<2	<0.9	49	31	28409	530	0.70	39	7.28	<0.9	0.55	113.33	0.08	42	86
751	577649	5529753	63.09	0.02	2.0	<2	INF	12	9	5155	118	0.78	14	3.20	INF	INF	13.43	0.08	6	48
752	551390	5509295	32.52	0.06	1.5	<2	<0.9	10	18	2709	37	0.68	8	4.39	<0.9	<0.5	305.16	0.06	7	43
753	544087	5507250	50.37	0.02	2.0	<2	<0.9	11	26	4599	81	1.34	15	3.69	<0.9	<0.5	28.03	0.10	10	53
754	556275	5508984	27.31	0.08	2.5	<2	<0.9	26	21	15190	359	5.09	19	5.55	<0.9	<0.5	218.21	0.06	32	93
755	569810	5511093	15.5	0.07	2.6	<2	<0.9	49	31	27933	432	1.03	36	14.41	<0.9	0.59	125.26	0.23	54	81
756	572658	5511590	9.39	0.06	1.9	<2	<0.9	47	24	27643	472	0.57	33	7.34	<0.9	1.15	123.31	0.06	46	67
757	572485	5516198	27.95	0.15	2.1	<2	<0.9	49	30	26788	272	0.54	38	7.86	<0.9	<0.5	97.38	0.10	41	95
758	572136	5519629	21.63	0.15	<0.5	<2	<0.9	53	27	30198	465	0.48	39	8.41	<0.9	<0.5	103.25	0.09	53	116
759	572275	5522789	17.45	0.09	3.3	<2	<0.9	42	27	24615	413	0.63	29	6.87	<0.9	<0.5	101.15	0.11	43	64
761	572089	5528636	22.35	0.11	1.9	<2	<0.9	49	35	30604	509	0.63	36	7.24	<0.9	<0.5	96.79	0.09	48	96
762	571899	5528133	24.05	0.10	2.1	<2	<0.9	39	26	23880	367	0.73	27	5.71	<0.9	0.54	78.97	0.08	39	76
763	576167	5530392	71.51	0.08	1.9	<2	INF	14	33	15074	461	2.19	18	2.99	INF	INF	35.63	0.09	18	110
764	577441	5530988	32.48	0.14	2.5	<2	<0.9	49	47	26156	266	0.73	39	7.91	<0.9	0.51	97.96	0.14	44	80
765	577365	5532416	30.74	0.10	4.6	<2	<0.9	45	36	25483	283	0.78	36	12.43	<0.9	0.61	106.16	0.19	46	76
766	576107	5532466	25.53	0.11	5.5	<2	<0.9	47	31	28338	749	0.57	35	15.88	<0.9	<0.5	113.26	0.22	51	92
767	575467	5530879	22.18	0.10	4.1	<2	<0.9	49	43	30512	787	0.90	39	8.69	<0.9	0.68	116.38	0.10	55	78
768	573819	5530497	43.37	0.05	3.8	<2	<0.9	31	33	16652	186	0.92	30	5.36	<0.9	<0.5	67.16	0.08	27	59
769	572734	5529480	51.02	0.11	2.6	<2	<0.9	27	46	15639	326	0.65	24	4.45	<0.9	<0.5	57.35	0.05	26	75
771	572498	5530112	15.69	0.08	3.3	<2	<0.9	55	40	33331	662	0.90	42	8.04	<0.9	0.65	117.84	0.06	58	80
772	574843	5533199	46.34	0.07	3.0	<2	<0.9	31	31	15566	184	1.01	31	5.50	<0.9	<0.5	83.00	0.08	29	71
773	573002	5532949	25.4	0.13	2.6	<2	<0.9	53	42	29785	299	1.48	42	7.36	<0.9	<0.5	126.73	0.14	50	84
774	571710	5537941	14.51	0.08	5.5	<2	<0.9	55	34	38683	1233	0.92	38	13.07	<0.9	0.59	144.44	0.20	60	87

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
775	570586	5537487	15.5	0.08	5.6	<2	<0.9	58	36	33547	581	0.98	38	10.35	<0.9	<0.5	148.65	0.14	58	89
776	569318	5538876	15.88	0.10	1.7	<2	<0.9	58	35	30867	315	0.56	41	9.30	<0.9	0.62	120.64	0.12	50	90
777	569122	5538116	19.25	0.10	5.0	<2	<0.9	57	40	32175	486	0.81	37	9.91	<0.9	0.63	138.59	0.16	54	89
778	567960	5537842	30.17	0.06	2.0	<2	<0.9	39	33	17953	193	0.67	32	5.79	<0.9	<0.5	96.00	0.08	30	56
779	567266	5537774	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
781	566887	5537029	20.18	0.12	4.6	<2	<0.9	53	44	30865	545	1.19	42	10.08	<0.9	0.57	140.89	0.19	56	86
782	565278	5537783	19.02	0.09	3.3	<2	<0.9	57	42	31456	424	0.50	42	9.95	<0.9	0.63	127.38	0.16	56	86
783	564194	5537040	20.53	0.13	4.0	<2	<0.9	55	42	29851	469	0.67	41	8.37	<0.9	0.65	123.40	0.14	52	87
784	562438	5535934	22.51	0.13	3.4	<2	<0.9	51	35	28691	392	0.51	38	9.79	<0.9	0.52	109.74	0.12	47	89
785	561579	5535174	19.71	0.12	3.1	<2	<0.9	59	40	32840	528	0.61	44	10.00	<0.9	0.72	127.37	0.13	58	91
786	559647	5534824	56.15	0.09	2.9	<2	INF	27	25	13657	239	1.12	25	5.76	INF	INF	56.09	0.12	27	113
787	558297	5534891	56.33	0.03	3.2	<2	<0.9	10	29	4313	101	1.18	13	5.34	<0.9	<0.5	32.62	0.14	12	44
788	557089	5534796	57.51	0.02	3.7	<2	INF	8	31	4493	67	0.90	9	4.50	INF	INF	38.75	0.14	10	59
789	557025	5533865	60.52	0.07	3.0	<2	<0.9	10	43	4005	86	1.39	14	2.40	<0.9	<0.5	40.94	0.13	12	64
791	555276	5536027	15.97	0.06	4.4	<2	<0.9	50	31	27115	474	0.59	35	8.68	<0.9	0.76	119.24	0.12	47	76
792	557920	5538631	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
793	557098	5538227	14.26	0.08	5.5	<2	<0.9	58	38	32930	622	0.72	41	14.89	<0.9	0.60	132.31	0.20	58	91
794	555538	5537629	12.72	<0.02	3.2	<2	<0.9	23	27	11822	287	1.24	19	3.42	<0.9	<0.5	51.52	0.07	22	30
795	555096	5538725	61.51	0.10	5.3	<2	INF	34	36	15517	219	1.61	37	5.86	INF	INF	93.11	0.16	26	81
796	554608	5538195	35.9	0.18	4.5	<2	<0.9	49	54	24607	360	0.75	45	8.80	1.14	0.74	147.46	0.16	40	91
797	554303	5537684	27.34	0.12	3.5	<2	<0.9	55	43	28529	448	0.63	43	9.60	<0.9	0.68	130.84	0.18	51	87
798	553439	5538388	35.14	0.15	5.1	<2	<0.9	46	45	23384	368	1.08	43	8.65	<0.9	0.77	175.38	0.16	41	81
799	551256	5528699	14.23	0.07	2.3	<2	<0.9	49	24	26400	357	0.30	34	7.71	<0.9	0.77	116.31	0.10	46	78
801	545616	5505657	19.44	0.09	1.3	<2	<0.9	48	40	29296	510	0.43	37	8.55	<0.9	1.07	124.12	0.08	47	80
802	566368	5509258	50.58	0.06	1.3	<2	<0.9	17	21	17982	96	4.16	13	4.04	<0.9	<0.5	396.40	0.11	44	69
803	569340	5511936	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
804	568305	5511323	29.08	0.09	2.8	<2	<0.9	39	24	21408	231	0.73	29	6.60	<0.9	<0.5	148.12	0.08	37	72
805	567461	5511819	44.84	0.07	3.6	<2	<0.9	22	23	15845	131	1.55	16	4.63	<0.9	<0.5	175.08	0.12	38	62
806	566832	5516023	23.01	0.06	5.1	<2	<0.9	34	18	21091	513	0.83	23	4.53	<0.9	<0.5	111.42	0.06	46	94
807	567559	5514570	45.52	0.07	3.7	<2	<0.9	24	20	17800	218	1.19	20	4.15	<0.9	<0.5	119.42	0.10	35	62
808	568131	5514254	72.28	0.03	2.8	<2	<0.9	10	18	4345	62	1.30	11	2.63	<0.9	<0.5	45.04	0.10	16	131
809	567135	5513499	22.73	0.06	2.6	<2	<0.9	34	23	18666	351	0.99	28	4.50	<0.9	<0.5	169.20	0.07	41	73
811	566528	5512470	23.94	0.09	2.1	<2	<0.9	31	24	19094	442	0.77	27	4.58	<0.9	0.50	164.73	0.07	37	70
812	569673	5515345	66.08	0.02	3.0	<2	INF	8	9	6250	178	1.40	7	3.75	INF	INF	30.14	0.09	15	50
813	571241	5515799	23.84	0.12	2.9	<2	<0.9	51	28	28532	405	0.30	39	7.03	<0.9	<0.5	117.32	0.09	46	86
814	570281	5514990	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
815	569773	5514640	44.81	0.10	1.9	<2	INF	23	25	9787	114	1.24	18	6.18	INF	INF	113.37	0.12	25	81
816	569503	5516828	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
817	571167	5519907	20.52	0.13	2.3	<2	<0.9	50	28	27981	395	0.46	39	6.58	<0.9	0.54	132.16	0.07	46	88
818	570745	5519127	20.87	0.13	3.6	<2	<0.9	51	29	28508	339	0.59	38	6.44	<0.9	<0.5	135.13	0.08	47	88
819	570024	5517707	19.81	0.11	2.9	<2	<0.9	49	26	26043	272	0.81	35	5.86	<0.9	<0.5	105.19	0.07	49	79
821	568880	5521208	33.47	0.05	3.2	<2	<0.9	32	24	15745	282	0.77	27	5.73	<0.9	<0.5	101.55	0.09	34	53
822	570215	5520304	12.81	0.07	2.2	<2	<0.9	38	20	22017	388	0.32	29	5.15	<0.9	<0.5	106.84	0.05	37	61
823	569179	5519870	13.41	0.10	4.2	<2	<0.9	50	25	28980	477	0.39	37	6.48	<0.9	0.56	137.03	0.06	48	80
824	567746	5521234	14.24	0.05	2.3	<2	<0.9	34	17	18974	193	0.35	25	6.29	<0.9	<0.5	82.53	0.06	36	47

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
825	567479	5520830	24.06	0.05	4.0	<2	<0.9	37	20	19787	224	1.14	27	5.08	<0.9	<0.5	70.60	0.08	35	64
826	570809	5524584	44.53	<0.02	1.9	<2	<0.9	5	13	3111	79	2.05	9	2.22	<0.9	<0.5	19.34	0.07	8	35
827	571089	5523531	59.94	0.14	2.7	<2	INF	20	38	6338	109	1.52	18	4.83	INF	INF	121.51	0.14	25	108
828	571281	5522560	16.53	0.07	2.3	<2	<0.9	33	32	18834	445	0.72	27	4.69	<0.9	<0.5	103.57	<0.05	35	58
829	**571710**	**5522253**	**11.23**	**0.11**	**2.1**	**<2**	**<0.9**	**35**	**21**	**20749**	**388**	**0.40**	**25**	**4.67**	**<0.9**	**<0.5**	**103.66**	**0.08**	**37**	**52**
831	571577	5521092	25.6	0.08	2.0	<2	<0.9	41	34	21805	366	0.91	31	5.65	<0.9	<0.5	118.47	0.07	41	62
832	571805	5528830	21.91	0.13	3.2	<2	<0.9	50	37	29510	464	0.98	37	7.25	<0.9	<0.5	101.00	0.09	56	96
833	571816	5528081	25.68	0.05	2.7	<2	<0.9	33	22	17574	314	0.70	23	4.41	<0.9	<0.5	73.60	0.05	32	59
834	569110	5529212	16.47	<0.02	3.1	<2	<0.9	14	18	8585	406	1.44	13	1.86	<0.9	<0.5	28.32	0.06	12	22
835	**569913**	**5532212**	**14.71**	**0.09**	**3.4**	**<2**	**<0.9**	**60**	**33**	**33850**	**578**	**0.42**	**45**	**8.60**	**<0.9**	**0.76**	**113.69**	**0.12**	**60**	**93**
836	569413	5531472	14.81	0.08	1.6	<2	<0.9	55	30	30502	482	0.44	42	7.58	<0.9	1.51	111.56	0.22	50	86
837	568512	5531485	43.45	0.06	3.1	<2	<0.9	26	21	12409	173	0.83	26	4.61	<0.9	<0.5	49.71	0.12	21	74
838	565756	5530374	NM	NM	2.8	<2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
839	565028	5530231	36.38	0.05	2.2	<2	<0.9	29	23	14376	176	0.61	24	5.30	<0.9	<0.5	58.72	0.11	26	52
841	**566452**	**5522358**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
842	544153	5503744	14.62	0.08	2.4	<2	<0.9	54	42	35743	671	0.35	42	8.74	<0.9	0.76	127.35	0.10	57	92
843	545271	5503592	14.85	0.08	2.7	<2	<0.9	49	40	32316	586	0.33	38	8.14	<0.9	0.77	126.81	0.08	51	82
844	549859	5503777	56.49	0.04	2.0	<2	<0.9	19	42	11692	130	1.18	17	5.01	<0.9	<0.5	171.80	0.11	27	67
845	555718	5505154	33.61	0.10	5.0	<2	INF	24	34	4376	43	2.88	12	3.08	INF	INF	161.20	0.06	20	39
846	**560090**	**5508437**	**26.08**	**0.19**	**2.0**	**<2**	**<0.9**	**48**	**30**	**23180**	**287**	**0.63**	**37**	**7.30**	**<0.9**	**<0.5**	**88.40**	**0.08**	**52**	**97**
847	562186	5508811	53.82	0.07	1.5	<2	<0.9	8	18	3582	41	2.18	8	4.10	<0.9	<0.5	193.96	0.08	12	22
848	562398	5508411	47.51	0.08	2.5	<2	<0.9	12	18	8088	94	1.91	13	5.21	<0.9	<0.5	125.98	0.10	21	55
849	564812	5507794	27.42	0.19	4.4	<2	<0.9	39	42	52734	584	2.61	24	5.69	<0.9	<0.5	766.38	0.10	83	102
851	564222	5507850	33.39	0.34	5.0	<2	<0.9	49	46	79048	601	4.02	26	8.00	<0.9	<0.5	1032.34	0.13	113	132
852	**565496**	**5506345**	**22.42**	**0.11**	**1.5**	**<2**	**<0.9**	**32**	**21**	**17874**	**201**	**0.99**	**26**	**5.86**	**<0.9**	**<0.5**	**149.45**	**0.09**	**37**	**73**
853	564701	5506395	50.63	0.06	2.7	<2	<0.9	20	23	22134	185	1.93	18	3.64	<0.9	<0.5	184.64	0.11	30	100
854	566380	5503903	49.12	0.04	1.6	<2	<0.9	8	19	4936	72	2.92	9	2.69	<0.9	<0.5	98.86	0.06	19	65
855	565700	5504123	13.98	0.10	1.3	<2	<0.9	33	24	20207	338	0.87	24	5.13	<0.9	<0.5	176.22	<0.05	37	63
856	564750	5504875	16.39	0.09	2.0	<2	<0.9	42	24	29530	552	0.68	30	6.01	<0.9	<0.5	253.73	0.06	50	89
857	**563035**	**5505200**	**46.12**	**0.05**	**1.8**	**<2**	**<0.9**	**15**	**18**	**8840**	**163**	**1.28**	**15**	**3.46**	**<0.9**	**<0.5**	**85.80**	**0.06**	**22**	**50**
858	569019	5502467	51.08	0.05	1.9	<2	<0.9	16	17	9663	204	1.41	13	4.53	<0.9	<0.5	134.94	0.08	23	54
859	566525	5501765	29.2	0.06	1.4	<2	<0.9	22	18	12360	141	1.68	19	3.98	<0.9	<0.5	101.61	0.06	27	54
861	566340	5502363	23.42	0.04	1.5	<2	<0.9	26	15	14747	269	1.06	18	5.33	<0.9	<0.5	105.53	0.06	27	61
862	565007	5502718	54.93	0.18	2.6	<2	<0.9	15	38	18257	217	3.27	14	4.58	<0.9	<0.5	263.81	0.10	42	71
863	**563670**	**5502650**	**65.06**	**0.03**	**2.0**	**<2**	**<0.9**	**11**	**19**	**6798**	**107**	**3.92**	**11**	**3.75**	**<0.9**	**<0.5**	**117.03**	**0.13**	**18**	**57**
864	561954	5503682	24.87	0.04	1.6	<2	<0.9	27	17	15379	544	1.26	19	4.93	<0.9	<0.5	110.99	0.06	31	65
865	562907	5501950	51.42	0.02	1.9	<2	<0.9	17	15	8764	132	1.30	14	4.59	<0.9	<0.5	48.73	0.08	24	52
866	564512	5500514	14.46	0.03	2.7	<2	<0.9	23	25	16211	391	1.52	20	3.58	<0.9	<0.5	101.31	0.05	31	53
867	563667	5501222	23.65	0.08	2.7	<2	<0.9	34	24	30721	698	1.08	26	5.18	<0.9	<0.5	177.64	0.07	51	109
868	**563255**	**5500960**	**37.38**	**0.07**	**3.3**	**<2**	**<0.9**	**19**	**18**	**16448**	**283**	**2.94**	**16**	**3.59**	**<0.9**	**<0.5**	**96.40**	**0.07**	**39**	**62**
869	562446	5501064	38.14	0.03	3.0	<2	<0.9	16	17	8774	225	2.05	14	2.76	<0.9	<0.5	94.49	0.07	28	53
871	568904	5500608	48.24	0.04	1.6	<2	<0.9	14	16	7759	102	1.07	13	4.24	<0.9	<0.5	100.69	0.07	20	27
872	568114	5500109	31.29	0.05	2.1	<2	<0.9	17	16	12736	192	1.13	14	3.36	<0.9	<0.5	112.44	<0.05	24	59
873	569739	5499923	54.61	0.05	2.9	<2	INF	14	14	7543	119	1.21	12	8.27	INF	INF	69.04	0.15	24	72
874	**571032**	**5499142**	**71.02**	**0.05**	**2.1**	**<2**	**INF**	**14**	**21**	**7493**	**180**	**1.53**	**12**	**3.66**	**INF**	**INF**	**52.99**	**0.08**	**21**	**30**

	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
875	570285	5497870	30.17	0.04	2.6	<2	<0.9	19	17	11136	292	1.56	13	4.87	<0.9	<0.5	106.77	0.07	28	50
876	568580	5498778	29.26	0.06	1.6	<2	<0.9	27	19	21878	335	0.69	19	5.84	<0.9	<0.5	217.31	0.05	45	79
877	567489	5498665	32.38	0.03	1.7	<2	<0.9	14	13	10469	133	1.15	14	2.88	<0.9	<0.5	115.24	<0.05	20	44
878	567473	5497610	38.36	0.12	1.9	<2	<0.9	24	21	36085	408	2.85	17	6.73	<0.9	<0.5	228.43	0.06	69	90
879	565976	5497483	48.82	0.05	2.8	<2	<0.9	14	13	13839	138	0.96	9	6.72	<0.9	<0.5	132.17	0.11	37	51
881	566898	5499055	66.2	0.03	2.2	<2	INF	13	15	7903	229	1.23	15	3.54	INF	INF	41.68	0.07	15	70
882	566478	5498704	39.02	0.07	3.2	<2	<0.9	18	21	19403	206	2.65	17	5.82	<0.9	<0.5	127.21	0.14	40	71
883	565875	5499644	31.84	0.08	4.1	<2	<0.9	31	25	30568	353	2.74	22	8.54	<0.9	<0.5	167.88	0.25	46	81
884	565643	5498160	12.76	0.05	5.4	<2	<0.9	19	18	34833	207	0.93	13	3.12	<0.9	<0.5	150.19	<0.05	34	53
885	564937	5498791	13.57	0.06	13.0	<2	<0.9	36	52	24576	550	3.56	25	5.09	0.91	0.89	113.11	0.08	46	58
886	562409	5499204	48.23	0.06	2.5	<2	<0.9	16	19	11086	312	1.16	13	3.85	<0.9	<0.5	113.45	0.10	24	72
887	561878	5499652	67.3	0.04	1.9	<2	INF	9	15	9257	176	1.32	9	4.16	INF	INF	42.26	0.10	14	64
888	561250	5499614	63.58	0.06	2.2	<2	INF	16	18	7090	127	1.71	14	5.94	INF	INF	47.63	0.10	21	91
889	560846	5500607	29.09	0.08	1.6	<2	<0.9	16	28	5533	51	1.53	11	5.29	<0.9	<0.5	106.64	0.09	20	58
891	558839	5499836	51.49	0.03	2.1	<2	<0.9	9	15	3631	73	1.23	5	4.15	<0.9	<0.5	275.90	0.10	15	52
892	558226	5499935	48.33	0.05	3.7	<2	<0.9	23	30	27544	413	2.42	16	3.27	1.34	0.70	246.19	0.08	43	53
893	556809	5499332	40.18	0.12	2.0	<2	<0.9	13	126	6187	65	0.79	15	2.72	<0.9	<0.5	117.70	0.05	15	55
894	559827	5501594	55.52	0.08	2.6	<2	INF	23	35	52886	260	4.93	20	3.70	INF	INF	188.54	0.15	43	133
895	559397	5501911	59.27	0.04	1.6	<2	<0.9	16	20	5299	62	1.40	14	3.28	<0.9	<0.5	102.52	0.07	22	26
896	558802	5502838	47.94	0.08	2.1	<2	<0.9	13	31	10267	126	2.33	11	6.28	<0.9	<0.5	159.59	0.14	33	52
897	558934	5502065	39.49	0.06	2.1	<2	<0.9	14	15	7365	76	1.02	11	6.06	<0.9	<0.5	84.79	0.11	24	33
898	557408	5503034	48.73	0.06	2.2	<2	<0.9	16	23	13375	158	2.28	13	4.29	<0.9	0.69	184.79	0.11	32	87
899	557407	5501979	67.35	0.10	2.7	<2	<0.9	8	41	7322	92	2.88	9	2.60	<0.9	<0.5	63.24	0.07	19	92
901	557811	5501479	59.42	0.20	2.3	<2	<0.9	21	46	31863	239	2.67	18	4.68	<0.9	<0.5	174.99	0.07	62	51
902	556526	5502783	35.81	0.13	1.7	<2	<0.9	12	18	5047	61	0.61	10	6.27	<0.9	<0.5	368.02	0.09	18	29
903	546533	5506605	37.74	0.09	4.9	4	INF	36	204	27020	384	8.67	42	5.53	INF	INF	94.88	0.40	40	77
904	550496	5513208	19.35	0.12	1.9	<2	0.91	45	32	27627	543	0.68	34	7.09	<0.9	0.57	128.36	<0.05	49	109
905	559582	5516124	7.94	0.07	1.5	<2	<0.9	38	19	21898	497	0.37	25	5.34	<0.9	0.68	111.28	0.05	39	56
906	563285	5518075	10.58	0.08	1.0	<2	<0.9	53	27	30181	477	0.43	37	6.70	<0.9	0.85	124.50	0.05	53	78
907	563569	5517201	10.03	0.08	1.7	<2	1.06	62	28	35615	505	0.42	43	7.44	1.04	0.82	122.31	0.08	60	93
908	563658	5523854	14.36	0.07	3.6	<2	<0.9	53	34	30016	692	1.12	36	6.93	<0.9	0.76	134.31	0.05	59	80
909	569689	5527582	36.19	0.09	3.4	<2	<0.9	34	63	21900	389	1.12	29	5.13	<0.9	0.56	91.98	0.08	42	80
911	569092	5527287	25.56	0.04	4.2	<2	<0.9	25	43	17077	754	1.58	22	3.43	0.92	0.75	53.36	0.14	28	48
912	568805	5526691	56.82	0.06	4.6	<2	<0.9	9	48	7609	98	2.29	12	1.93	1.23	0.54	38.19	0.09	9	51
913	568083	5528835	22.33	0.05	3.6	<2	<0.9	35	38	24828	600	0.83	28	6.41	<0.9	<0.5	91.12	0.11	43	59
914	565592	5530249	48.84	0.07	3.5	<2	<0.9	22	30	10484	152	1.26	24	4.37	<0.9	<0.5	68.71	0.14	22	67
915	565225	5528412	60.83	0.02	7.5	<2	INF	11	26	4576	62	2.38	12	2.11	INF	INF	33.60	0.09	15	57
916	567177	5528579	23.21	0.04	3.7	<2	<0.9	42	39	24279	351	0.70	33	5.92	<0.9	0.54	90.51	0.10	41	66
917	570280	5526354	33.84	0.12	2.1	<2	<0.9	31	59	16841	440	3.11	27	5.55	<0.9	<0.5	91.55	0.08	36	94
918	566288	5527017	64.85	0.11	2.5	<2	INF	23	52	12749	285	1.79	24	3.30	INF	INF	50.94	0.12	25	140
919	567199	5527130	57.45	0.06	2.4	<2	<0.9	21	52	11968	119	1.59	26	3.16	<0.9	<0.5	56.73	0.09	25	84
921	567423	5526613	46.59	0.14	2.8	<2	<0.9	29	62	26024	590	1.18	25	5.47	1.08	0.54	93.10	0.14	41	99
922	565524	5526543	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
923	566719	5524825	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
924	562225	5525754	15.78	0.10	2.4	<2	<0.9	44	31	22574	432	1.10	32	7.40	<0.9	<0.5	111.96	0.06	50	66

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
925	561523	5528392	11.88	0.09	2.9	<2	<0.9	49	31	27036	353	0.48	35	7.34	<0.9	0.54	123.67	0.08	46	69
926	560234	5527377	12.48	0.09	2.2	<2	<0.9	55	34	30054	400	0.56	38	7.56	<0.9	0.61	126.76	0.08	51	77
927	560642	5526668	14.76	0.10	2.1	<2	<0.9	56	35	30428	406	0.61	39	7.14	<0.9	0.54	123.94	0.09	49	80
928	559120	5526603	13.08	0.10	3.3	<2	<0.9	58	36	32274	450	0.56	40	7.50	<0.9	0.52	128.26	0.10	54	80
929	**560607**	**5525124**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
931	561030	5524890	16.63	0.10	2.4	<2	<0.9	54	31	29717	653	0.53	40	7.02	<0.9	0.54	135.28	0.06	52	77
932	562706	5524678	15.54	0.10	2.4	<2	<0.9	56	34	30074	589	0.93	39	7.12	<0.9	0.51	130.93	0.08	61	84
933	559943	5523205	12.77	0.11	2.9	<2	<0.9	66	34	36455	523	0.48	46	8.15	<0.9	0.59	160.82	0.07	62	100
934	558375	5523273	43.82	0.11	2.4	<2	<0.9	30	43	15687	209	3.72	28	4.38	<0.9	<0.5	66.38	0.10	29	67
935	**557921**	**5522549**	**50.92**	**0.04**	**6.0**	**<2**	**INF**	**25**	**32**	**11452**	**123**	**3.68**	**22**	**3.37**	**INF**	**INF**	**43.39**	**0.08**	**19**	**59**
936	559567	5522217	9.25	0.07	3.1	<2	<0.9	55	32	31893	570	0.54	40	7.16	<0.9	0.66	135.35	0.06	55	78
937	559437	5521018	12.21	0.11	2.2	<2	<0.9	65	31	36143	567	0.48	44	8.41	<0.9	0.60	156.18	0.05	59	101
938	559781	5519279	12.1	0.10	1.8	<2	<0.9	65	31	36909	582	0.39	44	8.58	<0.9	0.57	152.58	0.07	58	102
939	560011	5518522	12.17	0.11	2.0	<2	<0.9	67	31	37122	582	0.56	45	8.10	<0.9	0.63	148.11	0.06	60	102
941	**561174**	**5518877**	**17.13**	**0.04**	**3.7**	**<2**	**<0.9**	**29**	**43**	**17079**	**488**	**2.40**	**26**	**4.60**	**<0.9**	**<0.5**	**68.51**	**0.07**	**29**	**45**
942	560931	5518027	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
943	566280	5518622	64.3	0.03	3.5	<2	<0.9	11	10	5199	115	1.27	12	5.64	<0.9	<0.5	27.19	0.10	13	43
944	566092	5515866	34.33	0.04	4.3	<2	<0.9	25	16	11672	176	0.92	19	4.28	<0.9	<0.5	104.63	0.09	32	66
945	566075	5514720	22.33	0.04	0.8	<2	<0.9	24	10	12427	195	0.23	15	5.01	<0.9	<0.5	67.86	<0.05	21	38
946	**565845**	**5513870**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
947	565184	5513644	47.53	0.08	2.8	<2	<0.9	21	23	20273	89	1.05	17	2.58	<0.9	<0.5	224.56	0.10	65	95
948	566216	5513206	54.74	0.22	1.9	<2	<0.9	21	45	13199	126	1.72	17	4.62	<0.9	<0.5	163.68	0.09	41	85
949	565239	5513181	64.72	0.06	3.1	<2	INF	19	20	21504	102	2.10	13	2.75	INF	INF	115.15	0.10	40	87
951	564733	5512903	68.78	0.08	2.0	<2	<0.9	12	21	8625	184	0.95	10	3.41	<0.9	<0.5	53.04	0.07	20	175
952	**565778**	**5511825**	**84.44**	**<0.02**	**1.7**	**<2**	**INF**	**6**	**7**	**3549**	**88**	**0.79**	**<5**	**2.82**	**INF**	**INF**	**17.26**	**0.06**	**7**	**23**
953	563162	5511350	9.14	0.08	1.9	<2	<0.9	50	28	28800	571	0.49	34	6.25	<0.9	0.63	163.74	<0.05	50	78
954	546075	5508659	47.48	0.08	2.5	<2	<0.9	11	68	4200	68	1.53	16	3.98	<0.9	<0.5	66.83	0.10	10	50
955	555535	5510773	15.36	0.07	1.9	<2	<0.9	30	12	15047	199	0.39	16	8.30	<0.9	<0.5	84.19	0.07	26	51
956	559503	5510413	7.47	0.06	1.2	<2	<0.9	46	19	25720	408	0.38	30	5.74	<0.9	<0.5	94.85	<0.05	43	67
957	**561318**	**5512228**	**5.29**	**0.07**	**2.6**	**<2**	**<0.9**	**46**	**27**	**26638**	**465**	**0.36**	**31**	**6.48**	**<0.9**	**0.58**	**106.29**	**<0.05**	**44**	**63**
958	560094	5511776	10.15	0.10	2.4	<2	<0.9	64	30	37054	555	0.47	43	8.03	<0.9	0.57	136.21	<0.05	60	98
959	556935	5514319	10.13	0.08	1.6	<2	<0.9	66	28	36227	539	0.36	44	8.35	<0.9	0.60	106.35	0.07	58	101
961	556274	5516906	7.89	0.05	0.8	<2	<0.9	30	15	16483	257	0.25	22	3.93	<0.9	<0.5	76.70	<0.05	29	57
962	556817	5517382	10.91	0.09	1.3	<2	<0.9	44	22	25243	384	0.32	33	5.90	<0.9	<0.5	105.01	<0.05	41	82
963	**556581**	**5518128**	**10.37**	**0.04**	**3.0**	**<2**	**<0.9**	**38**	**17**	**20549**	**349**	**0.37**	**24**	**6.10**	**<0.9**	**<0.5**	**99.74**	**<0.05**	**36**	**53**
964	555021	5518147	10.87	0.08	2.2	<2	<0.9	51	23	28234	480	0.34	35	6.42	<0.9	0.60	112.24	<0.05	45	84
965	554935	5517817	9.87	0.06	1.6	<2	<0.9	44	20	24638	454	0.41	30	5.98	<0.9	0.58	100.18	<0.05	41	73
966	554949	5519486	14.28	0.10	2.4	<2	<0.9	62	32	34700	532	0.47	45	8.18	<0.9	<0.5	139.38	0.07	54	106
967	555389	5519881	14.51	0.12	2.7	<2	<0.9	62	32	34896	544	0.53	44	8.40	<0.9	<0.5	141.64	0.06	54	106
968	**556164**	**5520052**	**20.25**	**0.11**	**2.4**	**<2**	**<0.9**	**49**	**33**	**26452**	**337**	**0.89**	**36**	**8.34**	**<0.9**	**<0.5**	**110.76**	**0.13**	**45**	**75**
969	556614	5520781	24.63	0.08	2.3	<2	<0.9	47	38	25074	347	1.02	38	6.27	<0.9	<0.5	123.92	0.06	45	69
971	555194	5524676	13.28	0.10	1.7	<2	<0.9	49	20	25280	274	0.34	31	6.95	<0.9	<0.5	73.12	0.08	40	85
972	554484	5525013	46.93	0.09	3.7	3	<0.9	32	31	14452	165	1.34	32	6.01	<0.9	<0.5	76.57	0.12	31	96
973	550442	5526751	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
974	**550239**	**5527911**	**31.2**	**0.10**	**2.6**	**<2**	**<0.9**	**42**	**27**	**21702**	**328**	**0.73**	**30**	**6.66**	**<0.9**	**<0.5**	**99.84**	**0.11**	**41**	**79**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
975	555072	5527828	32.53	0.14	3.8	<2	<0.9	50	36	27351	409	0.83	38	9.12	<0.9	<0.5	107.66	0.19	46	81
976	557003	5529187	57.89	0.14	4.0	<2	<0.9	28	39	17015	246	1.11	23	5.56	<0.9	<0.5	72.39	0.16	34	75
977	554655	5532636	47.53	0.08	3.4	<2	<0.9	33	26	18550	248	1.05	27	6.00	<0.9	<0.5	71.40	0.12	32	111
978	554185	5534263	10.2	0.17	1.7	<2	<0.9	47	21	23581	234	0.36	31	6.92	<0.9	<0.5	79.92	0.10	43	88
979	**554446**	**5534495**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
981	550712	5536357	14.5	0.12	3.6	<2	<0.9	72	42	38014	712	0.60	53	10.22	<0.9	0.61	135.83	0.12	69	95
982	548728	5535403	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
983	548934	5535828	16.68	0.14	3.8	<2	<0.9	66	37	34567	508	0.54	48	9.98	<0.9	0.55	123.90	0.13	61	93
984	546428	5536750	11.52	0.13	4.2	<2	<0.9	77	33	40903	595	0.57	54	9.61	<0.9	0.57	126.03	0.09	67	107
985	**547248**	**5536611**	**26**	**0.10**	**3.7**	**<2**	**1.34**	**51**	**39**	**24379**	**337**	**1.08**	**39**	**8.01**	**<0.9**	**0.58**	**86.75**	**0.12**	**42**	**82**
986	546753	5538646	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
987	548060	5538634	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
988	539804	5538208	22.67	0.09	21.0	<2	<0.9	53	27	26618	260	4.62	31	5.65	1.48	0.71	98.63	0.18	49	83
989	541155	5537624	26.14	0.11	12.0	<2	<0.9	55	38	33060	301	1.45	42	7.25	<0.9	0.50	123.80	0.23	55	81
991	**537802**	**5536331**	**58.84**	**0.05**	**4.7**	**<2**	**<0.9**	**24**	**20**	**6745**	**138**	**1.56**	**15**	**3.82**	**<0.9**	**<0.5**	**49.92**	**0.14**	**36**	**86**
992	539094	5532834	40.75	0.05	3.7	<2	<0.9	42	27	20680	281	1.02	32	7.27	<0.9	<0.5	94.03	0.16	41	80
993	540671	5532843	26.04	0.04	2.7	<2	<0.9	41	22	20864	275	0.73	30	6.38	<0.9	<0.5	91.54	0.17	39	77
994	542858	5533200	20.6	0.05	2.0	<2	<0.9	54	27	27458	439	0.89	37	7.14	<0.9	<0.5	109.23	0.09	51	88
995	544714	5533271	15.91	0.04	2.9	<2	<0.9	44	20	22099	368	0.75	30	5.57	<0.9	<0.5	93.86	0.08	41	69
996	**545224**	**5530040**	**45.8**	**0.04**	**5.8**	**<2**	**<0.9**	**32**	**26**	**15269**	**379**	**0.75**	**23**	**6.29**	**<0.9**	**<0.5**	**88.53**	**0.16**	**34**	**53**
997	546394	5531556	44.51	0.04	3.9	<2	INF	33	19	17413	268	0.85	24	5.38	INF	INF	79.78	0.14	33	66
998	548641	5533969	29.59	0.10	3.6	<2	<0.9	52	40	27247	344	0.88	42	8.42	<0.9	<0.5	110.12	0.13	50	84
999	549172	5533045	29.71	0.05	8.1	<2	<0.9	41	36	23209	755	1.16	33	6.10	<0.9	0.51	103.78	0.11	39	60
1001	550698	5532919	19.05	0.06	6.8	<2	<0.9	52	36	30766	639	1.31	39	9.69	<0.9	0.55	110.33	0.17	52	77
1002	**551698**	**5532919**	**15.85**	**0.08**	**6.7**	**<2**	**<0.9**	**54**	**34**	**31107**	**653**	**0.72**	**40**	**8.33**	**<0.9**	**0.64**	**117.28**	**0.15**	**50**	**76**
1003	552148	5533819	11.7	<0.02	3.6	<2	<0.9	18	15	11514	693	1.12	15	2.69	<0.9	<0.5	42.04	0.06	15	28
1004	551848	5531369	53.13	0.03	20.0	<2	<0.9	15	14	6593	77	2.77	14	3.54	<0.9	<0.5	29.31	0.30	15	93
1005	550598	5530669	79.19	<0.02	19.0	<2	INF	15	14	4288	578	6.02	<5	2.89	INF	INF	15.32	0.32	19	21
1006	547948	5526769	46.13	0.07	3.1	21	15.25	15	39	8649	200	0.90	18	5.32	<0.9	<0.5	65.13	0.13	16	58
1007	**545499**	**5528019**	**4.26**	**<0.02**	**1.9**	**<2**	**<0.9**	**16**	**9**	**9639**	**207**	**0.21**	**13**	**3.11**	**<0.9**	**<0.5**	**66.67**	**<0.05**	**17**	**23**
1008	544899	5527669	11.94	0.07	3.6	<2	<0.9	60	30	32921	557	0.40	42	8.21	<0.9	<0.5	122.55	0.10	57	86
1009	548690	5506826	54.23	0.06	1.8	<2	<0.9	11	63	3628	55	1.43	20	2.05	<0.9	<0.5	131.51	0.09	11	32
1011	553414	5510825	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1012	552974	5515186	51.49	0.07	2.4	<2	<0.9	23	29	11596	178	1.56	22	4.31	<0.9	<0.5	104.41	0.08	25	69
1013	**553637**	**5514420**	**28.78**	**0.05**	**1.4**	**<2**	**<0.9**	**24**	**21**	**11211**	**134**	**0.77**	**18**	**4.51**	**<0.9**	**<0.5**	**61.79**	**0.06**	**21**	**56**
1014	554174	5513744	43.3	0.07	2.1	<2	<0.9	18	18	8480	123	1.11	20	3.93	<0.9	<0.5	67.59	0.10	21	62
1015	553214	5519819	62.26	0.02	2.1	<2	<0.9	6	19	3251	149	1.84	14	1.75	<0.9	<0.5	15.37	0.06	7	53
1016	553393	5518793	52.99	0.04	1.9	<2	INF	13	29	5974	110	1.59	15	2.87	INF	INF	50.04	0.07	14	59
1017	552301	5518592	31.68	0.05	2.1	<2	<0.9	38	35	21051	290	1.27	30	5.78	<0.9	<0.5	76.99	0.07	35	77
1018	**551673**	**5516411**	**48.46**	**0.07**	**5.2**	**<2**	**<0.9**	**21**	**37**	**10998**	**158**	**4.76**	**19**	**3.07**	**<0.9**	**<0.5**	**64.45**	**0.11**	**19**	**57**
1019	551572	5517812	55.57	0.05	3.0	<2	<0.9	21	40	9760	172	4.76	21	3.48	<0.9	<0.5	48.62	0.10	19	77
1021	549993	5521212	8.44	0.08	2.3	<2	<0.9	70	34	38861	509	0.22	50	8.78	<0.9	0.57	140.25	0.10	61	97
1022	549861	5524121	24.32	0.11	2.7	<2	<0.9	57	42	37242	498	1.51	44	7.77	<0.9	<0.5	118.33	0.10	64	127
1023	548303	5524032	25.29	0.07	1.6	<2	<0.9	46	20	22508	230	0.46	33	5.78	<0.9	<0.5	74.56	0.06	34	102
1024	**545617**	**5525786**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1025	545761	5525107	14.67	0.09	2.1	<2	<0.9	66	32	36306	480	0.36	46	8.56	<0.9	<0.5	127.27	0.12	59	101
1026	544563	5525018	11.53	0.09	2.7	<2	<0.9	65	30	35944	506	0.46	45	9.93	<0.9	0.56	130.01	0.11	58	92
1027	544348	5529671	40	0.10	3.6	<2	<0.9	45	26	21559	374	0.64	33	6.55	<0.9	<0.5	86.84	0.10	37	139
1028	542791	5529932	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1029	**541448**	**5529442**	**10.1**	**0.06**	**3.9**	**<2**	**<0.9**	**67**	**25**	**37154**	**617**	**0.33**	**45**	**8.98**	**<0.9**	**<0.5**	**129.73**	**0.10**	**60**	**101**
1031	541935	5528643	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1032	540262	5528672	10.51	0.06	3.8	<2	<0.9	64	23	35026	672	0.38	41	7.99	<0.9	<0.5	123.88	0.09	56	95
1033	536100	5531310	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1034	543734	5527388	13.2	0.06	3.9	<2	<0.9	64	32	34437	553	0.50	43	8.54	<0.9	<0.5	132.17	0.11	58	91
1035	**542965**	**5525736**	**13.29**	**0.06**	**3.4**	**<2**	**<0.9**	**62**	**32**	**33618**	**544**	**0.47**	**44**	**8.92**	**<0.9**	**0.58**	**129.26**	**0.08**	**58**	**90**
1036	537649	5523996	48.97	<0.02	8.8	<2	<0.9	23	24	13963	372	2.11	19	2.47	<0.9	<0.5	56.89	0.07	25	44
1037	538207	5522997	34.97	0.03	14.0	<2	<0.9	33	28	22699	300	2.15	26	3.89	<0.9	<0.5	69.68	0.08	31	62
1038	540426	5523111	19.02	0.08	1.9	<2	<0.9	51	37	26272	371	0.58	38	7.41	<0.9	<0.5	106.84	0.07	42	86
1039	540358	5522489	12.84	0.05	2.7	<2	<0.9	51	29	27996	533	0.62	39	6.69	0.93	1.34	123.19	0.06	46	85
1041	**539194**	**5522510**	**15.04**	**0.06**	**2.7**	**<2**	**<0.9**	**58**	**30**	**30632**	**526**	**0.52**	**43**	**7.34**	**<0.9**	**<0.5**	**126.46**	**0.08**	**49**	**93**
1042	539547	5521532	16.99	0.08	3.1	<2	<0.9	64	35	35594	716	0.55	47	8.64	<0.9	0.53	137.55	0.10	59	102
1043	539937	5520944	41.2	<0.02	2.6	<2	INF	41	41	21623	249	2.06	54	5.38	INF	INF	98.83	0.08	31	75
1044	538025	5521984	67.79	0.04	2.0	<2	INF	12	32	4082	211	1.76	17	2.39	INF	INF	35.91	0.07	10	57
1045	536940	5521483	22.64	0.06	2.5	<2	<0.9	47	36	24560	354	0.93	36	7.03	<0.9	<0.5	108.57	0.10	41	73
1046	**537838**	**5521125**	**22.1**	**0.03**	**2.5**	**<2**	**<0.9**	**49**	**36**	**24368**	**393**	**0.57**	**36**	**6.97**	**<0.9**	**<0.5**	**106.48**	**0.09**	**41**	**71**
1047	537609	5520304	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1048	536852	5520419	52.08	0.13	2.3	<2	<0.9	26	37	10348	136	1.09	27	7.93	<0.9	<0.5	149.78	0.10	29	87
1049	536040	5519981	63.54	0.04	2.5	<2	INF	24	32	17312	597	1.52	24	3.70	INF	INF	44.10	0.09	30	94
1051	538381	5520121	74.04	0.04	2.0	<2	INF	16	34	9419	377	1.73	20	2.90	INF	INF	41.08	0.12	21	111
1052	**536651**	**5518617**	**62.66**	**0.04**	**1.9**	**<2**	**INF**	**18**	**33**	**8853**	**116**	**1.86**	**19**	**2.99**	**INF**	**INF**	**67.84**	**0.09**	**23**	**62**
1053	541430	5519806	19.1	0.14	2.3	<2	<0.9	61	34	32072	348	0.78	45	7.66	<0.9	0.60	118.86	0.09	53	100
1054	541264	5518326	11.98	0.09	4.3	<2	<0.9	69	40	38986	572	0.43	50	9.83	<0.9	0.72	151.09	0.09	65	95
1055	540014	5518504	6.42	0.04	3.4	<2	<0.9	45	24	25160	361	0.35	31	6.57	<0.9	0.50	117.53	0.06	44	59
1056	539698	5517181	10.37	0.08	3.3	<2	<0.9	74	35	41215	570	0.52	52	9.63	<0.9	0.91	148.30	0.08	68	103
1057	**538813**	**5517356**	**12.19**	**0.06**	**3.0**	**<2**	**<0.9**	**58**	**31**	**30198**	**413**	**0.62**	**40**	**7.52**	**<0.9**	**0.52**	**115.66**	**0.08**	**53**	**80**
1058	536749	5513864	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1059	536827	5510762	62.59	0.12	2.1	<2	<0.9	10	42	5674	144	1.30	14	2.38	<0.9	0.60	73.69	0.08	13	78
1061	537293	5509851	38.98	0.02	1.6	<2	<0.9	17	20	6855	90	0.58	19	3.48	<0.9	<0.5	72.00	0.07	15	43
1062	537568	5505871	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1063	**537382**	**5511403**	**57.77**	**0.13**	**2.2**	**<2**	**<0.9**	**14**	**57**	**8003**	**138**	**1.62**	**15**	**3.18**	**1.56**	**0.62**	**85.01**	**0.12**	**18**	**93**
1064	540094	5511999	11.81	0.06	2.4	<2	<0.9	49	29	27667	477	0.61	36	6.48	<0.9	0.56	147.10	0.08	49	73
1065	538582	5511696	3.44	0.03	1.0	<2	<0.9	27	14	14835	228	0.34	19	4.68	<0.9	<0.5	111.22	0.08	30	36
1066	540592	5510158	3.2	0.04	2.9	<2	<0.9	41	34	23285	408	0.82	30	5.38	<0.9	0.61	105.91	0.09	42	51
1067	542603	5509787	9.08	0.07	2.0	<2	<0.9	39	21	24864	383	0.70	26	4.67	<0.9	<0.5	87.32	0.07	50	67
1068	**543431**	**5512307**	**16.39**	**0.09**	**8.7**	**<2**	**<0.9**	**56**	**32**	**31533**	**664**	**1.47**	**40**	**6.94**	**<0.9**	**0.64**	**115.33**	**0.09**	**51**	**88**
1069	546710	5514181	8.76	0.06	2.5	<2	<0.9	50	27	28158	365	0.84	33	6.62	<0.9	0.54	94.97	0.09	47	71
1071	548604	5514524	64.12	0.04	2.7	<2	INF	15	43	7401	160	1.12	14	4.70	INF	INF	40.85	0.11	20	70
1072	548364	5514695	69.63	0.04	3.1	<2	INF	8	35	3917	103	1.08	11	3.63	INF	INF	25.84	0.10	10	58
1073	549814	5513176	28.43	0.10	1.7	<2	<0.9	32	48	16494	484	1.67	25	5.43	<0.9	<0.5	125.75	0.09	33	69
1074	**548838**	**5512733**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1075	549001	5509982	38.51	0.10	1.5	<2	<0.9	10	27	3069	31	2.04	11	2.99	<0.9	<0.5	80.52	0.07	11	36
1076	549645	5507476	51.13	0.11	1.8	<2	<0.9	17	37	3635	42	1.43	16	3.55	<0.9	<0.5	147.97	0.08	19	35
1077	550665	5507798	33.12	0.05	1.5	<2	<0.9	12	20	4312	65	0.64	8	5.79	<0.9	<0.5	162.55	0.05	15	50
1078	552698	5507092	17.6	0.06	0.9	<2	<0.9	13	11	4339	58	0.70	7	5.98	<0.9	<0.5	67.50	0.06	17	37
1079	**553561**	**5506698**	**59.83**	**0.03**	**1.4**	**<2**	**<0.9**	**5**	**13**	**3177**	**82**	**1.30**	**<5**	**1.71**	**<0.9**	**<0.5**	**64.67**	**0.09**	**8**	**39**
1081	555243	5507057	28.07	0.03	10.0	<2	<0.9	24	20	18558	395	3.44	17	4.37	<0.9	<0.5	101.38	0.10	34	69
1082	556974	5506768	11.6	0.07	<0.5	<2	<0.9	18	8	9830	170	0.54	12	4.53	<0.9	<0.5	49.84	<0.05	23	52
1083	556803	5505694	25	0.08	4.0	<2	<0.9	28	15	19101	347	1.12	18	4.84	<0.9	<0.5	99.46	0.06	38	72
1084	556082	5505305	29.76	0.06	4.7	<2	<0.9	25	21	15531	340	1.74	17	4.75	<0.9	<0.5	101.96	0.07	31	64
1085	**555720**	**5505155**	**34.94**	**0.10**	**5.6**	**<2**	**<0.9**	**25**	**40**	**4638**	**46**	**3.08**	**12**	**2.69**	**<0.9**	**<0.5**	**178.09**	**0.06**	**22**	**41**
1086	555522	5505671	23.52	0.10	9.2	<2	<0.9	31	21	29108	545	0.92	20	4.64	<0.9	0.55	149.13	0.06	44	102
1087	559730	5504947	11.9	0.12	1.9	<2	<0.9	50	27	30824	416	0.55	34	7.23	<0.9	<0.5	154.83	0.07	54	87
1088	558548	5505238	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1089	560561	5503172	7.58	0.08	1.5	<2	<0.9	32	18	20792	479	0.29	21	4.62	<0.9	0.51	119.23	<0.05	36	53
1091	**562785**	**5510411**	**10.11**	**0.11**	**1.4**	**<2**	**<0.9**	**60**	**29**	**34740**	**573**	**0.43**	**40**	**7.94**	**<0.9**	**0.66**	**169.12**	**0.06**	**58**	**91**
1092	562124	5510417	10.75	0.12	2.1	<2	<0.9	59	30	34612	557	0.48	40	7.77	<0.9	<0.5	163.32	0.06	58	92
1093	563726	5509238	22.87	0.10	3.1	<2	<0.9	32	36	20464	425	2.72	24	5.07	<0.9	0.64	245.74	0.09	40	65
1094	563069	5509427	54.76	0.11	2.4	<2	<0.9	14	21	9552	145	2.19	14	3.53	<0.9	<0.5	124.14	0.08	26	68
1095	563421	5508336	22.96	0.11	2.4	<2	<0.9	33	35	21348	442	2.52	24	5.75	<0.9	0.67	243.23	0.11	41	63
1096	**565602**	**5508643**	**51.98**	**0.27**	**2.1**	**<2**	**<0.9**	**10**	**35**	**12124**	**46**	**3.53**	**7**	**4.00**	**<0.9**	**<0.5**	**543.26**	**0.09**	**67**	**89**
1097	565393	5508337	36.03	0.14	2.0	<2	<0.9	8	24	3755	22	8.04	<5	1.83	<0.9	<0.5	481.26	0.06	39	23
1098	565682	5507593	48.12	0.10	1.9	<2	<0.9	21	21	14560	111	1.75	9	2.29	<0.9	<0.5	296.80	0.07	75	50
1099	565298	5511076	34.57	0.05	1.9	<2	<0.9	18	17	10781	270	0.68	15	5.01	<0.9	<0.5	111.78	0.07	21	41
1101	569081	5511334	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1102	**568892**	**5509785**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
1103	567277	5507177	10.48	0.06	1.8	<2	<0.9	51	33	29721	469	0.74	36	7.13	<0.9	0.66	145.72	0.08	54	73
1104	567437	5506303	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1105	572064	5506888	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1106	564588	5504598	17.78	0.08	1.5	<2	<0.9	43	24	30517	578	0.69	30	5.35	<0.9	0.51	277.55	<0.05	50	92
1107	**556960**	**5503222**	**25.7**	**<0.02**	**1.7**	**<2**	**<0.9**	**13**	**10**	**5398**	**67**	**0.67**	**10**	**4.82**	**<0.9**	**<0.5**	**67.68**	**0.06**	**12**	**27**
1108	556931	5503567	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1109	556263	5503569	33.91	0.05	1.5	<2	<0.9	11	12	3332	44	0.61	10	5.75	<0.9	<0.5	52.68	0.08	12	52
1111	555678	5503554	30.66	0.08	1.7	<2	<0.9	14	14	6589	77	0.61	13	5.36	<0.9	<0.5	122.50	0.05	19	87
1112	555356	5503298	38.31	0.08	2.3	<2	<0.9	12	14	16717	135	1.10	12	3.81	<0.9	<0.5	127.06	0.10	19	83
1113	**554795**	**5503086**	**65.81**	**<0.02**	**2.1**	**<2**	**<0.9**	**12**	**15**	**5491**	**102**	**1.39**	**12**	**2.92**	**0.93**	**<0.5**	**34.67**	**0.10**	**14**	**100**
1114	553925	5502210	50.4	0.10	1.8	<2	<0.9	22	30	17677	224	1.20	19	3.95	<0.9	<0.5	172.12	0.08	49	59
1115	554359	5500451	50.23	0.20	2.7	<2	INF	24	62	23385	152	5.00	18	3.52	INF	INF	403.94	0.10	62	98
1116	541438	5499291	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1117	544967	5502181	17.53	0.06	2.4	<2	<0.9	53	68	32213	651	0.46	42	8.75	<0.9	0.75	117.99	0.07	55	88
1118	**544112**	**5502152**	**30.62**	**0.03**	**2.6**	**<2**	**<0.9**	**38**	**51**	**22325**	**445**	**0.68**	**34**	**6.96**	**<0.9**	**<0.5**	**80.58**	**0.11**	**40**	**72**
1119	548449	5501636	53.71	0.03	1.9	<2	<0.9	12	40	5567	148	0.70	17	5.48	<0.9	<0.5	51.70	0.09	14	51
1121	547566	5501921	63.34	0.04	1.9	<2	<0.9	10	50	7610	292	0.97	16	3.01	<0.9	<0.5	32.01	0.09	18	61
1122	549431	5500656	24.22	0.05	2.7	<2	<0.9	41	44	26720	393	0.94	33	5.82	<0.9	0.55	164.11	0.09	48	78
1123	551882	5498172	11.3	0.04	1.7	<2	<0.9	34	17	36443	395	0.32	23	4.27	<0.9	<0.5	182.10	0.06	48	88
1124	**552335**	**5498990**	**9.41**	**0.04**	**1.4**	**<2**	**<0.9**	**36**	**18**	**37388**	**443**	**0.31**	**25**	**4.31**	**<0.9**	**<0.5**	**170.49**	**<0.05**	**49**	**80**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1125	551848	5500202	9.32	0.04	2.5	<2	<0.9	32	18	33766	443	0.34	24	4.17	<0.9	<0.5	166.35	<0.05	44	73
1126	551340	5499092	13.79	0.07	2.2	<2	<0.9	42	23	48890	492	0.41	29	5.26	<0.9	<0.5	228.13	0.06	59	112
1127	550743	5498232	11.14	0.04	1.5	<2	<0.9	31	15	35028	465	0.40	23	4.63	<0.9	<0.5	169.64	<0.05	43	78
1128	550187	5498384	34.44	<0.02	1.7	<2	<0.9	27	37	16358	216	1.23	26	3.77	<0.9	<0.5	189.82	<0.05	37	67
1129	548696	5498248	24.93	0.02	2.2	<2	<0.9	37	38	25324	330	1.08	32	5.20	<0.9	0.61	158.64	0.06	44	73
1131	548138	5499673	20.33	0.07	2.2	<2	<0.9	41	41	28765	397	0.95	34	6.22	<0.9	0.67	170.43	0.08	50	79
1132	546991	5499632	18.92	0.06	3.0	54	<0.9	40	44	27802	402	1.10	32	6.33	<0.9	0.69	148.43	0.09	49	75
1133	545683	5499318	49.28	0.04	2.6	<2	INF	32	71	22527	259	3.96	32	5.72	INF	INF	153.67	0.11	33	63
1134	547185	5498446	31.81	0.06	3.4	<2	<0.9	28	38	20640	254	1.07	25	8.49	<0.9	<0.5	166.43	0.16	42	64
1135	545910	5498326	51.91	0.02	2.3	<2	INF	26	50	19194	304	2.65	26	4.48	INF	INF	159.88	0.08	27	50
1136	546263	5497915	67.82	0.04	1.4	<2	INF	7	67	14597	306	2.66	13	2.40	INF	INF	45.51	0.09	16	95
1137	545532	5497405	56.37	0.04	2.2	<2	1.49	17	48	10582	300	1.05	17	4.74	1.71	0.64	48.50	0.11	21	54
1138	544177	5497743	NM	NM	2.7	<2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
1139	544739	5501140	43.68	<0.02	1.9	<2	<0.9	22	44	12050	214	0.69	22	4.63	<0.9	<0.5	68.17	0.06	26	67
1141	544002	5500728	47.03	0.06	3.5	<2	1.57	28	39	17501	352	0.69	28	6.31	2.24	0.73	73.42	0.06	29	95
1142	543488	5501027	56.65	<0.02	2.1	<2	<0.9	7	18	3233	105	0.63	14	3.62	1.37	<0.5	17.99	0.06	6	55
1143	543518	5499740	17.51	0.08	2.8	<2	<0.9	49	43	30616	704	0.30	40	8.12	0.93	0.91	122.66	0.09	53	84
1144	542779	5499235	72.33	0.03	2.0	<2	INF	6	27	2546	109	1.35	15	2.76	INF	INF	22.31	0.08	6	40
1146	553235	5501633	54.42	0.07	2.0	<2	<0.9	16	41	8835	126	1.18	16	5.47	<0.9	<0.5	126.86	0.12	32	60
1147	552761	5502404	71.54	0.08	2.1	<2	INF	14	56	3923	67	2.00	23	2.74	INF	INF	70.75	0.10	18	83
1148	552331	5502362	57.61	0.08	2.5	<2	<0.9	10	36	3240	66	1.16	17	3.78	<0.9	<0.5	93.49	0.08	12	64
1149	552449	5502777	67.28	0.18	2.4	<2	<0.9	11	37	11038	193	1.65	13	3.93	<0.9	<0.5	75.77	0.10	26	94
1151	552995	5504236	42.71	0.04	4.2	<2	<0.9	39	18	74743	203	0.96	18	3.03	<0.9	<0.5	555.50	<0.05	118	102
1152	552669	5504289	46.6	0.06	2.9	<2	<0.9	39	20	19689	117	0.99	11	3.51	<0.9	<0.5	659.86	0.06	127	72
1153	553501	5504731	15.42	0.04	1.9	<2	<0.9	14	14	7098	82	0.58	11	4.64	<0.9	<0.5	50.09	0.06	19	126
1154	551969	5506609	32.61	0.08	1.6	<2	<0.9	12	14	7048	87	1.12	11	4.62	<0.9	<0.5	41.47	0.06	19	74
1155	551162	5506802	39.92	0.13	2.2	<2	<0.9	18	19	14103	93	1.62	14	5.25	<0.9	<0.5	75.14	0.11	35	116
1156	551321	5506709	30.02	0.11	1.8	5	<0.9	13	13	4694	56	0.70	10	7.23	<0.9	<0.5	38.40	0.09	18	46
1157	549107	5505798	47.29	0.21	1.6	<2	<0.9	17	69	13861	223	1.60	17	4.24	<0.9	<0.5	254.09	0.08	49	64
1158	548341	5505874	65.51	0.12	1.4	<2	<0.9	7	100	5908	235	1.75	17	2.20	<0.9	<0.5	54.32	0.11	18	69
1159	550232	5504886	45.71	0.36	2.3	<2	<0.9	15	65	11555	108	2.50	15	4.50	<0.9	<0.5	418.29	0.10	48	59
1161	549181	5504411	67.84	0.04	2.5	<2	INF	12	49	6419	126	1.36	17	3.79	INF	INF	49.37	0.10	14	76
1162	550002	5503761	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1163	549915	5503221	45	0.12	2.3	<2	1.64	18	50	12361	213	0.75	17	6.10	<0.9	<0.5	105.37	0.16	32	64
1164	548556	5503312	60.67	0.08	3.3	<2	<0.9	8	58	9824	193	1.47	15	9.61	<0.9	<0.5	38.14	0.14	16	69
1165	548096	5503109	52.15	0.09	1.9	<2	<0.9	13	71	5698	137	1.32	17	2.76	<0.9	<0.5	50.28	0.10	19	75
1166	547739	5503141	58.28	0.07	2.2	<2	<0.9	11	68	15780	207	1.91	17	2.17	<0.9	<0.5	39.57	0.10	24	78
1167	546899	5502637	38.81	0.10	1.9	<2	<0.9	19	87	13573	313	1.44	26	2.95	<0.9	<0.5	46.81	0.09	31	81
1168	547257	5502710	58.81	0.06	2.3	<2	<0.9	7	65	3864	143	0.91	13	5.22	<0.9	<0.5	29.38	0.12	10	57
1169	546857	5505864	36.97	0.11	2.0	<2	<0.9	30	82	15495	181	0.80	32	5.43	<0.9	0.58	111.71	0.07	26	76
1171	546482	5505021	33.71	0.06	2.6	<2	INF	31	42	16266	202	0.56	27	6.71	INF	INF	79.77	0.08	27	62
1172	546281	5505851	42.86	0.06	1.6	<2	<0.9	22	63	9849	134	0.43	18	4.54	<0.9	<0.5	74.57	0.06	23	36
1173	545146	5505111	23.26	0.08	2.5	<2	<0.9	49	40	26285	450	0.74	41	7.86	<0.9	0.84	111.79	0.10	46	81
1174	547676	5508104	64.76	0.07	1.9	<2	<0.9	10	33	3739	73	0.95	12	4.33	<0.9	<0.5	68.19	0.14	13	57
1175	546026	5507028	56.45	0.10	7.4	<2	INF	12	56	11468	492	1.60	12	30.51	INF	INF	41.33	0.47	25	84

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1176	545580	5507226	56.62	0.03	2.8	<2	INF	9	56	4937	79	2.20	12	4.17	INF	INF	32.14	0.15	12	40
1177	545582	5507869	55.16	0.07	2.7	<2	<0.9	17	68	8831	371	1.86	18	3.23	3.70	0.99	40.10	0.12	18	62
1178	545708	5506560	62.15	0.04	1.8	<2	INF	6	33	2567	87	2.10	8	2.44	INF	INF	24.51	0.08	8	43
1179	545291	5506686	72.22	0.05	1.6	<2	INF	7	42	4731	257	1.13	8	2.81	INF	INF	24.89	0.09	10	37
1181	**544706**	**5506620**	**55.99**	**0.07**	**3.3**	**<2**	**<0.9**	**14**	**57**	**7803**	**491**	**1.21**	**14**	**5.29**	**<0.9**	**<0.5**	**50.15**	**0.19**	**22**	**66**
1182	544028	5506259	67.58	0.07	2.6	<2	INF	10	41	9915	230	1.70	13	3.12	INF	INF	37.10	0.12	15	107
1183	541504	5503898	29.76	0.08	2.0	<2	<0.9	36	23	18434	266	0.48	28	5.88	<0.9	<0.5	63.15	0.08	30	84
1184	539000	5500739	54.3	0.13	3.9	<2	<0.9	24	30	19327	491	1.33	24	8.17	<0.9	<0.5	73.01	0.19	33	86
1185	539182	5501591	62.82	0.06	2.4	<2	INF	20	22	9543	118	1.35	20	4.63	INF	INF	66.56	0.10	22	56
1186	**539534**	**5499859**	**32.9**	**0.06**	**1.7**	**<2**	**<0.9**	**23**	**20**	**11203**	**107**	**0.65**	**21**	**3.82**	**<0.9**	**<0.5**	**43.58**	**0.06**	**20**	**55**
1187	540531	5496836	37.53	0.08	2.5	<2	<0.9	27	31	20272	720	0.83	24	5.10	<0.9	<0.5	79.68	0.10	35	65
1188	540606	5493628	8.06	0.06	1.4	<2	<0.9	40	20	23623	290	0.24	31	5.41	<0.9	<0.5	87.55	0.06	41	65
1189	542899	5496513	67.4	0.06	3.1	<2	<0.9	15	33	12984	461	1.12	15	3.53	<0.9	<0.5	49.56	0.12	19	58
1191	543365	5494524	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1192	**546356**	**5495535**	**51.07**	**0.04**	**1.8**	**<2**	**<0.9**	**9**	**12**	**5269**	**109**	**0.82**	**11**	**3.08**	**<0.9**	**<0.5**	**27.00**	**0.08**	**12**	**50**
1194	563800	5494695	47.5	0.06	1.4	<2	<0.9	20	36	20246	105	0.97	13	1.63	<0.9	<0.5	108.89	0.06	52	58
1195	564052	5494921	66.38	0.08	2.0	<2	<0.9	20	40	20358	197	1.03	14	2.53	<0.9	<0.5	125.16	0.06	34	76
1196	565509	5495770	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1197	565499	5495963	30.17	0.06	1.0	<2	<0.9	9	10	2593	33	2.42	7	4.11	<0.9	<0.5	40.63	0.05	13	31
1198	**565418**	**5496531**	**33.59**	**0.10**	**1.2**	**<2**	**<0.9**	**16**	**15**	**4638**	**52**	**0.71**	**12**	**6.12**	**<0.9**	**<0.5**	**44.77**	**0.06**	**21**	**46**
1199	566084	5495504	50.32	0.09	2.6	<2	<0.9	14	19	8759	93	1.67	11	5.97	<0.9	<0.5	124.62	0.16	25	64
1201	566243	5496319	49.17	0.29	1.6	<2	<0.9	12	26	5079	67	1.35	9	5.47	<0.9	<0.5	500.91	0.12	18	66
1202	567890	5496013	70.42	0.04	1.7	<2	<0.9	6	10	8455	201	1.55	7	3.19	<0.9	<0.5	50.39	0.08	10	38
1203	568784	5495169	83.64	0.04	1.4	<2	INF	5	9	3426	240	0.99	5	2.93	INF	INF	20.38	0.08	13	61
1204	**568970**	**5495543**	**50.94**	**0.05**	**5.5**	**<2**	**<0.9**	**13**	**11**	**10532**	**205**	**2.90**	**12**	**3.50**	**<0.9**	**<0.5**	**51.24**	**0.11**	**25**	**109**
1205	569394	5495812	33.29	0.05	2.8	<2	<0.9	22	12	19167	311	1.64	15	3.80	<0.9	<0.5	86.69	0.06	35	67
1206	570563	5495831	39.96	0.08	2.5	<2	<0.9	25	19	13282	262	2.09	14	4.06	<0.9	<0.5	120.44	0.07	36	52
1207	569417	5494980	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1208	569647	5494635	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1209	**568857**	**5494226**	**62.21**	**0.13**	**1.6**	**<2**	**<0.9**	**8**	**15**	**2912**	**91**	**2.38**	**9**	**5.34**	**<0.9**	**<0.5**	**31.40**	**0.12**	**15**	**82**
1211	569481	5494219	69.08	0.11	1.5	<2	<0.9	9	18	3285	134	2.58	8	4.78	<0.9	<0.5	38.12	0.10	17	112
1212	569412	5492897	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1213	570743	5493304	54.54	0.13	2.1	<2	1.56	11	25	3142	44	5.10	9	4.71	1.17	<0.5	38.16	0.13	20	91
1214	567768	5492856	63.55	0.07	1.9	<2	<0.9	10	13	4746	74	1.27	9	5.48	<0.9	<0.5	29.68	0.12	12	73
1215	**566574**	**5491003**	**45**	**0.06**	**1.7**	**<2**	**<0.9**	**12**	**45**	**5083**	**85**	**0.88**	**18**	**4.56**	**<0.9**	**0.96**	**53.76**	**0.08**	**17**	**57**
1216	567861	5490794	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1217	570410	5489397	51.07	<0.02	2.3	<2	<0.9	15	13	15696	61	0.91	9	3.55	<0.9	<0.5	187.94	0.08	42	57
1218	570113	5488836	50.2	<0.02	2.3	<2	<0.9	16	11	13191	84	1.21	11	2.49	<0.9	<0.5	168.17	0.06	36	71
1219	570864	5487435	69.27	0.04	2.2	<2	<0.9	11	18	12758	166	1.31	11	3.70	0.93	<0.5	84.43	0.09	17	65
1221	**569309**	**5486981**	**62.93**	**0.05**	**1.5**	**<2**	**<0.9**	**8**	**34**	**16618**	**62**	**1.53**	**12**	**2.20**	**<0.9**	**<0.5**	**54.12**	**0.08**	**33**	**77**
1222	570003	5485879	55.96	0.05	4.1	<2	<0.9	18	34	15538	155	1.29	15	2.90	<0.9	<0.5	153.21	0.10	38	81
1223	565541	5487704	55.85	0.16	2.6	<2	<0.9	17	47	26904	101	2.84	13	2.60	<0.9	<0.5	321.57	0.08	79	79
1224	564256	5484645	66.79	0.03	1.5	<2	<0.9	10	32	18818	135	1.15	8	2.35	<0.9	<0.5	82.53	0.05	57	47
1225	564673	5484762	49.93	0.06	1.5	<2	<0.9	8	40	17589	136	1.34	10	2.93	<0.9	<0.5	44.42	0.07	27	56
1226	**564795**	**5484268**	**64.7**	**0.08**	**2.0**	**<2**	**INF**	**12**	**50**	**14588**	**237**	**1.42**	**14**	**3.99**	**INF**	**INF**	**84.28**	**0.12**	**42**	**72**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1227	562528	5486527	50.09	0.07	1.3	<2	<0.9	15	26	7064	69	0.83	9	3.54	<0.9	<0.5	174.80	0.09	32	29
1228	560235	5487255	49.79	0.07	1.3	<2	<0.9	10	17	5192	38	1.01	7	3.14	<0.9	<0.5	57.26	0.08	22	42
1229	559664	5486686	16.09	0.04	1.6	<2	<0.9	31	17	21369	254	0.46	25	4.55	<0.9	<0.5	110.97	0.05	37	80
1231	560144	5486352	34.68	0.08	1.6	<2	1.16	21	18	9137	84	0.65	17	4.21	<0.9	<0.5	85.35	0.08	27	44
1232	**560138**	**5484603**	**39.39**	**0.13**	**1.7**	**<2**	**<0.9**	**17**	**24**	**9731**	**95**	**1.26**	**12**	**4.75**	**<0.9**	**<0.5**	**153.75**	**0.07**	**41**	**40**
1233	561236	5484520	31.31	0.06	1.5	<2	<0.9	10	17	5252	41	1.02	11	2.97	<0.9	<0.5	98.72	0.05	14	34
1234	558257	5486095	39.04	0.05	1.8	<2	<0.9	20	19	11366	122	0.73	22	3.63	<0.9	<0.5	120.53	0.08	25	63
1235	558042	5485370	21.81	0.09	1.6	<2	<0.9	41	22	26085	259	0.54	33	6.45	<0.9	<0.5	127.22	0.07	45	93
1236	557075	5484952	55.74	0.11	2.0	<2	<0.9	14	28	7177	90	3.80	11	3.90	1.41	<0.5	102.55	0.11	28	69
1237	**557543**	**5484302**	**20.47**	**0.07**	**1.5**	**<2**	**<0.9**	**43**	**24**	**27638**	**306**	**0.68**	**37**	**5.90**	**<0.9**	**0.65**	**131.37**	**0.06**	**47**	**110**
1238	558323	5483897	29.03	0.10	1.9	<2	<0.9	42	26	25467	241	0.76	33	7.17	<0.9	<0.5	127.68	0.07	50	86
1239	542682	5486593	45.07	0.10	3.2	<2	<0.9	30	34	30684	524	0.86	26	7.08	<0.9	0.62	77.15	0.18	37	64
1241	543004	5483530	14.83	0.10	1.6	<2	<0.9	53	36	32287	400	0.49	41	8.34	<0.9	0.72	120.57	0.12	55	90
1242	544360	5484156	61.55	0.06	2.3	<2	<0.9	17	21	9242	134	1.72	17	3.66	<0.9	<0.5	56.18	0.11	25	78
1243	**547432**	**5483318**	**11.51**	**0.09**	**2.1**	**<2**	**<0.9**	**58**	**39**	**34719**	**496**	**0.54**	**43**	**10.06**	**<0.9**	**0.68**	**149.22**	**0.11**	**61**	**89**
1244	548382	5483809	20.73	0.12	1.5	<2	<0.9	46	37	28376	399	0.70	36	7.81	<0.9	0.56	114.12	0.10	47	91
1245	550126	5485006	41.82	0.12	2.2	<2	<0.9	31	32	18202	222	1.48	28	6.10	<0.9	0.55	103.20	0.12	40	94
1246	551729	5484933	25.57	0.10	2.2	<2	<0.9	46	28	26722	428	0.67	36	6.87	<0.9	<0.5	105.85	0.09	53	103
1247	553206	5483948	18.59	0.09	1.2	<2	<0.9	41	20	23678	212	0.31	32	6.22	<0.9	<0.5	97.86	0.06	42	89
1248	**554466**	**5485395**	**16.86**	**0.06**	**1.3**	**<2**	**<0.9**	**35**	**17**	**18867**	**148**	**0.31**	**26**	**5.21**	**<0.9**	**<0.5**	**72.15**	**<0.05**	**29**	**69**
1249	555049	5486034	19.46	0.06	1.3	<2	<0.9	34	17	18044	132	0.29	23	6.88	<0.9	<0.5	67.97	0.07	30	59
1251	556060	5487186	20.67	0.07	1.1	<2	<0.9	46	22	25515	226	0.36	35	5.95	<0.9	0.61	89.90	0.08	45	84
1252	555081	5484110	39.16	0.10	2.7	<2	<0.9	38	33	34697	392	1.24	29	6.84	1.46	1.03	147.02	0.18	53	101
1253	548627	5486201	47.84	0.08	2.0	<2	<0.9	22	40	11083	162	3.42	21	4.76	<0.9	<0.5	63.18	0.10	26	84
1254	**544026**	**5483348**	**34.64**	**0.13**	**2.2**	**<2**	**<0.9**	**36**	**32**	**20358**	**252**	**0.75**	**32**	**6.20**	**0.99**	**0.67**	**69.33**	**0.10**	**34**	**92**
1255	541911	5485042	19.39	0.13	1.9	<2	<0.9	53	31	29821	366	0.40	39	7.72	1.89	2.59	95.15	0.08	48	106
1256	536925	5490479	68.02	0.06	3.8	<2	<0.9	9	47	7882	174	1.17	12	2.06	<0.9	<0.5	28.93	0.10	16	69
1257	535831	5491238	19.03	0.08	3.0	<2	<0.9	43	44	24250	469	0.73	35	10.54	<0.9	0.61	94.03	0.16	45	74
1258	534847	5491493	16.38	0.09	2.4	<2	<0.9	48	40	28059	469	0.58	38	8.96	<0.9	0.68	108.27	0.12	48	78
1259	**534038**	**5489767**	**16.03**	**0.09**	**3.1**	**<2**	**<0.9**	**46**	**38**	**28305**	**601**	**0.56**	**37**	**11.03**	**<0.9**	**0.64**	**108.00**	**0.19**	**51**	**81**
1261	533443	5490653	48.68	0.07	3.5	<2	<0.9	20	38	11394	132	1.68	20	4.14	<0.9	<0.5	50.36	0.13	30	61
1262	532705	5489342	7.36	0.05	1.7	<2	<0.9	28	20	17196	365	0.27	23	4.33	<0.9	<0.5	72.15	0.06	29	40
1263	532161	5488976	15.23	0.14	3.1	<2	<0.9	59	45	35955	565	0.59	46	8.89	<0.9	0.61	131.63	0.13	60	91
1264	531762	5489171	9.5	0.07	1.3	<2	<0.9	43	25	26066	348	0.32	32	5.93	<0.9	0.59	88.82	0.06	42	66
1265	**531483**	**5487740**	**10.49**	**0.11**	**2.1**	**<2**	**4.33**	**49**	**35**	**29074**	**553**	**0.39**	**38**	**6.88**	**<0.9**	**0.57**	**110.99**	**0.07**	**49**	**70**
1266	531162	5488796	39	0.04	2.3	<2	<0.9	30	33	16226	178	1.24	28	2.50	<0.9	<0.5	88.50	0.08	28	61
1267	532856	5487026	30.85	0.11	5.8	<2	<0.9	37	52	31762	466	1.36	32	7.61	<0.9	<0.5	91.76	0.12	41	107
1268	532195	5485741	56.71	0.05	3.7	<2	INF	14	23	8373	111	1.38	18	4.17	INF	INF	38.20	0.10	16	66
1269	530469	5485088	64	0.11	INF	INF	INF	12	60	24360	347	1.52	25	3.47	INF	INF	33.96	0.40	17	96
1271	**529597**	**5484350**	**66.35**	**0.12**	**27.0**	**8**	**INF**	**7**	**62**	**17690**	**702**	**1.43**	**14**	**4.96**	**INF**	**INF**	**33.15**	**2.31**	**14**	**89**
1272	529891	5484050	74.54	0.07	13.0	<2	INF	8	46	12077	164	1.76	11	4.75	INF	INF	32.60	0.51	14	91
1273	530775	5484518	71.81	0.07	5.6	<2	INF	8	30	9879	375	0.74	11	2.54	INF	INF	21.67	0.14	9	95
1274	530912	5483713	73.84	0.03	3.8	<2	<0.9	6	22	5261	78	1.34	14	4.93	<0.9	<0.5	18.10	0.24	6	70
1275	531759	5483430	54.37	0.10	7.0	<2	<0.9	13	44	13530	455	1.30	19	4.89	<0.9	<0.5	48.70	0.27	16	107
1276	**532161**	**5484436**	**66.07**	**0.07**	**4.3**	**<2**	**INF**	**10**	**50**	**13845**	**154**	**1.92**	**18**	**2.74**	**INF**	**INF**	**28.07**	**0.18**	**14**	**80**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1277	532516	5484011	71.08	0.07	4.9	<2	INF	7	34	5628	79	1.63	12	2.80	INF	INF	27.28	0.16	10	68
1278	532597	5483214	66.22	0.06	6.2	<2	INF	7	29	7525	149	0.95	12	3.40	INF	INF	34.60	0.36	9	83
1279	533678	5484302	52.45	0.05	3.9	<2	<0.9	8	18	5234	122	1.38	11	2.61	<0.9	<0.5	31.58	0.12	9	53
1281	532776	5484544	69.54	0.09	8.9	4	INF	11	43	14983	324	1.96	16	5.35	INF	INF	39.20	0.25	16	79
1282	**533793**	**5485027**	**75.4**	**0.05**	**3.3**	**3**	**INF**	**7**	**16**	**6067**	**96**	**1.53**	**8**	**2.94**	**INF**	**INF**	**29.59**	**0.16**	**9**	**61**
1283	534890	5485436	66.75	0.02	3.4	<2	INF	6	22	5157	157	1.30	13	2.78	INF	INF	20.45	0.08	6	67
1284	533659	5485854	77.69	0.04	5.0	<2	INF	10	25	12770	161	1.38	14	1.84	INF	INF	24.11	0.13	11	57
1285	533943	5486480	77.86	0.03	2.2	<2	<0.9	5	39	3698	255	1.05	9	1.60	1.25	<0.5	18.53	0.06	5	43
1286	534217	5486874	71.71	0.04	4.9	<2	INF	8	32	6666	71	1.03	9	2.07	INF	INF	19.92	0.13	12	54
1287	**535186**	**5487417**	**70.08**	**0.06**	**6.2**	**<2**	**INF**	**22**	**54**	**12768**	**328**	**1.19**	**24**	**3.41**	**INF**	**INF**	**39.03**	**0.21**	**25**	**67**
1288	533542	5487754	58.66	0.06	6.7	<2	<0.9	12	38	7454	99	1.60	18	2.77	<0.9	<0.5	30.86	0.09	12	67
1289	535523	5489331	66.33	0.04	2.2	<2	INF	11	33	4974	155	1.33	15	3.64	INF	INF	25.62	0.10	11	69
1291	534821	5488425	29.78	0.07	3.3	<2	<0.9	40	35	28662	289	0.55	30	6.88	<0.9	0.53	79.16	0.10	39	87
1292	534012	5487977	32.95	0.04	2.7	<2	INF	7	23	5591	242	0.54	7	8.60	INF	INF	14.53	0.16	6	42
1293	**534247**	**5488902**	**76.15**	**0.06**	**8.4**	**<2**	**<0.9**	**5**	**38**	**7758**	**216**	**0.74**	**6**	**2.99**	**1.76**	**0.65**	**20.60**	**0.21**	**13**	**53**
1294	534534	5489256	63.47	0.09	6.2	<2	INF	10	66	19776	272	0.95	12	3.73	INF	INF	46.08	0.22	24	122
1295	526922	5500147	29.77	0.15	3.0	<2	<0.9	62	47	31959	427	0.68	46	8.34	<0.9	0.51	137.42	0.10	54	99
1296	527495	5498929	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1297	525281	5499885	27.11	0.12	2.0	<2	<0.9	58	34	29652	396	0.73	39	7.71	<0.9	<0.5	97.61	0.09	55	123
1298	**520140**	**5499738**	**60.37**	**0.09**	**3.1**	**<2**	**<0.9**	**22**	**21**	**10940**	**151**	**3.29**	**21**	**4.34**	**<0.9**	**<0.5**	**54.38**	**0.12**	**24**	**65**
1299	519921	5498668	62.89	0.07	2.8	<2	<0.9	22	21	10204	113	1.08	21	5.43	<0.9	<0.5	55.25	0.13	32	64
1301	520845	5498789	37.85	0.09	2.7	<2	<0.9	39	40	20506	287	1.11	34	5.03	<0.9	<0.5	86.94	0.10	42	78
1302	520996	5498030	30.88	0.12	2.8	<2	<0.9	55	39	28787	394	0.90	41	7.40	<0.9	0.52	120.26	0.10	53	104
1303	521994	5496469	25.77	0.13	2.0	<2	<0.9	60	39	32299	474	0.71	44	7.27	<0.9	<0.5	118.05	0.09	56	103
1304	**522634**	**5495726**	**43.37**	**0.10**	**2.4**	**<2**	**<0.9**	**20**	**40**	**8966**	**212**	**1.47**	**23**	**2.88**	**<0.9**	**<0.5**	**65.99**	**0.07**	**18**	**50**
1305	524615	5496498	52.15	0.10	3.3	<2	<0.9	20	42	10317	267	2.04	19	3.43	<0.9	<0.5	72.79	0.13	20	70
1306	523929	5495406	17.96	0.13	2.8	<2	<0.9	73	46	37936	774	0.72	51	9.34	<0.9	0.69	150.38	0.10	67	109
1307	524886	5495324	12.59	0.15	3.1	<2	<0.9	73	47	38016	651	0.62	50	9.70	<0.9	0.62	158.81	0.13	66	98
1308	525340	5494869	12.51	0.13	3.0	<2	<0.9	76	50	39483	593	0.69	58	9.61	<0.9	0.72	150.45	0.11	72	103
1309	**522459**	**5494761**	**62.89**	**0.05**	**2.8**	**<2**	**<0.9**	**10**	**42**	**6152**	**136**	**2.43**	**14**	**2.09**	**<0.9**	**<0.5**	**55.19**	**0.10**	**17**	**65**
1311	520826	5495387	20.7	0.13	2.1	<2	<0.9	63	46	33582	553	0.57	46	7.90	<0.9	0.53	151.33	0.07	60	99
1312	521326	5493911	41.8	0.08	2.7	<2	<0.9	29	30	17466	282	0.87	28	4.34	<0.9	<0.5	74.03	0.07	31	89
1313	521984	5493779	51.98	0.06	4.1	<2	<0.9	17	41	15978	263	1.70	24	3.02	<0.9	<0.5	55.11	0.08	21	108
1314	522287	5494150	76.94	0.05	2.3	<2	INF	8	35	5035	206	2.00	9	2.45	INF	INF	32.83	0.10	11	77
1315	**522795**	**5493469**	**49.28**	**0.06**	**1.9**	**<2**	**<0.9**	**8**	**38**	**4259**	**139**	**1.28**	**12**	**2.48**	**<0.9**	**<0.5**	**61.39**	**0.08**	**10**	**43**
1316	523744	5493452	48.83	<0.02	1.9	<2	<0.9	7	21	2920	90	1.82	14	3.39	<0.9	<0.5	36.87	0.06	6	32
1317	523650	5492629	51.31	0.09	5.1	<2	<0.9	18	51	15688	561	2.18	20	3.65	<0.9	<0.5	72.63	0.09	28	112
1318	523569	5491911	56.67	0.10	4.6	<2	<0.9	13	50	15514	420	2.30	18	2.87	<0.9	0.51	72.45	0.08	24	88
1319	525773	5491473	31.14	0.16	3.1	<2	<0.9	60	44	28072	238	0.44	39	10.57	<0.9	<0.5	131.06	0.11	50	80
1321	**526035**	**5490290**	**19.6**	**0.12**	**3.8**	**<2**	**<0.9**	**70**	**39**	**39333**	**507**	**0.47**	**50**	**8.96**	**<0.9**	**0.56**	**135.40**	**0.12**	**62**	**111**
1322	526684	5491834	18.4	0.14	4.3	<2	<0.9	69	39	37179	464	0.50	49	8.94	<0.9	0.56	135.48	0.11	63	104
1323	522700	5491226	59.57	0.10	4.2	<2	INF	16	66	14398	435	2.12	21	3.91	INF	INF	103.98	0.14	27	109
1324	519636	5494273	31.75	0.10	2.0	<2	<0.9	48	36	26069	355	0.78	38	5.61	0.98	<0.5	103.70	0.08	42	97
1325	518277	5495876	22.34	0.12	2.7	<2	<0.9	59	38	33250	493	0.59	44	7.17	<0.9	<0.5	138.05	0.07	54	106
1326	**518567**	**5495119**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1327	519385	5495603	66.61	0.08	2.2	<2	1.00	13	36	5930	121	1.68	17	3.39	<0.9	<0.5	76.82	0.11	21	62
1328	518707	5497547	18.11	0.08	3.2	<2	<0.9	55	46	30187	531	1.26	41	6.83	<0.9	0.69	120.85	0.09	54	82
1329	518892	5496661	17.05	0.10	2.7	<2	<0.9	57	47	31099	558	1.33	41	6.97	<0.9	0.53	121.98	0.10	57	88
1331	519567	5496643	56.06	0.07	2.3	<2	<0.9	11	43	5690	133	1.99	16	2.46	<0.9	<0.5	51.01	0.09	15	73
1332	**516891**	**5498939**	**29.96**	**0.10**	**2.6**	**<2**	**<0.9**	**47**	**30**	**24214**	**302**	**1.12**	**37**	**6.75**	**<0.9**	**<0.5**	**106.46**	**0.09**	**41**	**87**
1333	519165	5498788	30.55	0.14	2.1	<2	<0.9	55	39	28993	366	1.40	40	6.39	<0.9	<0.5	106.44	0.10	52	111
1334	517688	5500326	49.18	0.23	1.8	<2	<0.9	39	45	18219	294	3.62	33	5.20	<0.9	<0.5	78.19	0.12	36	111
1335	518563	5500261	43.19	0.13	2.5	<2	<0.9	38	36	20887	418	1.92	31	5.57	<0.9	<0.5	88.73	0.10	39	94
1336	518039	5502752	10.4	0.12	2.2	<2	<0.9	80	49	40460	652	0.50	54	10.45	<0.9	0.67	146.39	0.10	74	104
1337	**516070**	**5503484**	**21.84**	**0.16**	**3.1**	**<2**	**<0.9**	**81**	**53**	**38067**	**547**	**1.01**	**64**	**9.35**	**<0.9**	**0.77**	**137.34**	**0.10**	**64**	**112**
1338	515394	5501572	14.28	0.13	3.8	<2	<0.9	79	48	38688	770	1.61	63	10.34	<0.9	0.59	137.00	0.18	69	102
1339	514714	5500849	13.71	0.12	2.9	<2	<0.9	81	46	36781	644	1.48	64	9.40	<0.9	0.75	135.98	0.10	64	100
1341	515250	5500192	14.4	0.11	2.3	<2	<0.9	78	46	34906	766	1.20	63	8.68	<0.9	0.82	131.24	0.08	57	88
1342	513413	5501165	17.75	0.22	2.1	<2	<0.9	73	41	36586	396	1.29	54	8.30	<0.9	<0.5	103.20	0.08	60	139
1343	**512914**	**5500281**	**68.1**	**0.02**	**1.7**	**<2**	**<0.9**	**7**	**9**	**2685**	**127**	**2.41**	**10**	**1.40**	**<0.9**	**<0.5**	**15.08**	**<0.05**	**7**	**59**
1344	511430	5503420	15.92	0.14	2.5	<2	<0.9	71	42	35959	612	1.04	50	9.92	<0.9	0.62	138.73	<0.05	60	100
1345	511224	5505570	36.8	0.11	1.8	<2	<0.9	38	33	17014	195	1.17	32	4.94	<0.9	<0.5	61.94	0.07	31	93
1346	508758	5505477	68.11	0.09	2.5	<2	<0.9	23	46	9027	283	2.08	21	2.60	<0.9	0.51	41.87	0.08	18	63
1347	506947	5505050	57.55	0.18	2.6	<2	1.07	19	119	10453	284	2.83	27	2.16	1.16	0.59	90.06	0.16	29	78
1348	**504330**	**5507065**	**NM**	**NM**	**3.4**	**<2**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**	**NM**
1349	504604	5506083	49.74	0.06	3.8	<2	<0.9	21	22	8894	135	2.46	22	3.76	<0.9	<0.5	41.24	0.08	17	56
1351	503276	5510201	52.79	0.03	2.6	<2	<0.9	20	12	8932	169	0.99	22	2.98	<0.9	<0.5	30.63	<0.05	14	69
1352	502399	5510552	33.85	0.08	6.7	<2	<0.9	50	28	23601	353	1.10	36	6.24	<0.9	<0.5	75.78	0.11	40	89
1353	501735	5509719	14.8	0.09	21.0	<2	<0.9	64	39	33855	700	1.16	44	8.62	<0.9	0.65	127.00	0.24	58	85
1354	**501298**	**5509204**	**17.85**	**0.09**	**18.0**	**<2**	**<0.9**	**62**	**37**	**32333**	**578**	**1.52**	**42**	**8.00**	**<0.9**	**0.55**	**106.91**	**0.25**	**57**	**83**
1355	505038	5508438	24.65	0.11	5.2	<2	<0.9	53	32	31420	827	1.00	34	7.25	<0.9	<0.5	110.47	0.10	57	120
1356	505796	5506813	21.82	0.11	3.2	<2	<0.9	55	44	34958	1404	1.46	37	7.38	<0.9	0.50	121.20	0.08	61	89
1357	506444	5507196	22.56	0.11	1.7	<2	<0.9	64	42	30961	407	0.96	43	7.76	<0.9	0.52	112.53	0.10	57	86
1358	525698	5501660	12.18	0.12	3.1	<2	<0.9	82	43	42242	818	0.39	52	11.83	<0.9	0.68	146.92	0.10	76	104
1359	**514783**	**5504835**	**8.15**	**0.08**	**3.4**	**<2**	**<0.9**	**88**	**43**	**44636**	**635**	**0.41**	**55**	**12.20**	**<0.9**	**0.57**	**137.72**	**0.13**	**79**	**113**
1361	510388	5508366	13.45	0.13	2.8	<2	<0.9	69	38	36505	696	0.52	42	9.28	<0.9	0.60	155.93	0.08	63	94
1362	508439	5508233	29.04	0.16	2.8	<2	<0.9	63	40	31507	391	0.83	41	8.88	<0.9	0.62	121.94	0.15	56	104
1363	508348	5507750	37.31	0.12	3.1	<2	<0.9	57	33	28264	338	1.16	46	7.17	<0.9	<0.5	108.13	0.10	53	88
1364	507611	5506814	29.18	0.16	2.2	<2	<0.9	55	38	28151	342	0.71	35	8.00	<0.9	<0.5	104.77	0.12	51	97
1365	**503515**	**5505317**	**25.28**	**0.07**	**2.3**	**<2**	**<0.9**	**34**	**16**	**17293**	**234**	**0.73**	**22**	**4.19**	**<0.9**	**<0.5**	**58.58**	**0.06**	**30**	**90**
1366	504470	5504773	50.32	0.06	2.6	<2	<0.9	15	24	5755	99	1.79	19	2.37	<0.9	<0.5	56.25	0.10	14	47
1367	504058	5504361	69.07	0.10	3.0	<2	<0.9	16	28	6939	236	1.98	18	3.17	<0.9	<0.5	40.16	0.12	17	123
1368	500921	5504418	67.26	0.06	2.1	<2	<0.9	8	16	2747	117	1.41	12	2.24	<0.9	<0.5	29.25	0.11	9	40
1369	503941	5500232	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1371	**507642**	**5502382**	**23.19**	**0.08**	**1.9**	**<2**	**<0.9**	**46**	**24**	**20247**	**276**	**0.52**	**25**	**7.61**	**<0.9**	**<0.5**	**69.74**	**0.08**	**38**	**83**
1372	508541	5500088	4.26	0.05	1.9	<2	<0.9	35	15	17149	299	0.26	21	3.74	<0.9	<0.5	87.40	<0.05	31	45
1373	508043	5498884	13.93	0.15	2.9	<2	<0.9	81	43	39981	653	0.54	54	10.66	<0.9	0.76	190.38	0.18	68	112
1374	507957	5497692	14.02	0.16	2.7	<2	<0.9	82	48	39357	586	0.72	54	9.34	<0.9	0.64	200.51	0.08	69	115
1375	509238	5497591	10.23	0.13	2.2	<2	<0.9	71	36	34633	546	0.48	46	7.85	<0.9	0.71	145.99	0.07	60	95
1376	**505953**	**5496771**	**48.57**	**0.24**	**3.2**	**<2**	**<0.9**	**40**	**53**	**29301**	**517**	**2.63**	**32**	**6.45**	**<0.9**	**<0.5**	**178.80**	**0.12**	**68**	**143**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1377	504471	5496566	20.69	0.18	1.5	<2	<0.9	63	37	31553	314	0.89	47	8.09	<0.9	<0.5	120.84	0.10	52	112
1378	503318	5496910	72.1	0.06	2.8	<2	<0.9	16	20	8418	290	2.46	19	4.05	<0.9	<0.5	48.60	0.12	19	88
1379	500340	5494082	14.38	0.15	2.4	<2	<0.9	80	45	40615	591	0.57	54	11.26	<0.9	0.65	189.91	0.08	74	115
1381	502491	5492837	14.2	0.14	2.6	<2	<0.9	92	42	44615	507	0.36	60	11.79	<0.9	<0.5	172.46	0.10	76	141
1382	501757	5492168	14.85	0.15	2.7	<2	<0.9	89	41	43787	636	0.54	57	11.25	<0.9	0.64	181.09	0.10	77	130
1383	500719	5492907	56.72	0.05	5.0	<2	<0.9	24	39	12752	528	3.37	33	3.51	<0.9	<0.5	52.12	0.10	26	46
1384	503308	5490297	24.51	0.22	2.5	<2	<0.9	73	44	40740	399	1.14	48	8.81	<0.9	<0.5	161.33	0.12	70	158
1385	504111	5489019	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1386	504917	5494472	15.68	0.10	2.5	<2	<0.9	73	38	37830	644	0.63	48	9.52	<0.9	0.64	147.82	0.13	67	107
1387	504446	5493651	18.3	0.11	3.0	<2	<0.9	69	43	34810	576	0.81	49	9.68	<0.9	0.71	137.61	0.14	65	103
1388	504644	5492456	23.79	0.16	2.3	<2	<0.9	70	44	33927	588	0.62	47	8.49	<0.9	0.59	169.93	0.07	64	110
1389	508976	5493608	14.82	0.16	3.0	<2	<0.9	83	43	41344	529	0.49	56	11.32	<0.9	<0.5	146.30	0.12	68	120
1391	508197	5494250	26.09	0.11	3.8	<2	<0.9	57	47	27363	472	1.52	42	10.08	<0.9	<0.5	128.79	0.17	55	88
1392	507104	5494136	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1393	505959	5494601	18.87	0.10	3.5	<2	<0.9	63	37	31644	548	0.83	47	8.21	<0.9	0.67	139.50	0.11	57	90
1394	505923	5495230	43.92	0.12	2.9	<2	<0.9	35	31	15359	215	1.02	33	4.77	<0.9	<0.5	91.62	0.10	28	84
1395	509759	5490951	20.22	0.11	1.9	<2	<0.9	63	30	32447	539	0.49	41	7.77	<0.9	0.65	122.41	0.08	52	103
1396	511434	5488242	52.22	0.22	3.3	<2	<0.9	32	54	19984	373	2.62	23	5.69	<0.9	<0.5	234.55	0.18	71	82
1397	508888	5486165	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1398	508746	5485361	17.2	0.09	2.1	<2	<0.9	64	25	30251	332	0.43	39	7.90	<0.9	<0.5	103.03	0.07	55	111
1399	511573	5484997	34.74	0.10	2.9	<2	<0.9	41	38	19140	484	1.37	37	5.44	<0.9	0.57	181.65	0.10	34	108
1401	513194	5483918	32.19	0.14	4.5	<2	<0.9	40	38	19222	372	1.75	29	10.75	<0.9	<0.5	201.64	0.21	48	96
1402	511623	5483308	32.5	0.13	4.3	<2	INF	44	41	24186	596	1.60	37	6.83	INF	INF	228.83	0.12	46	116
1403	513227	5485509	53.14	0.14	2.5	<2	INF	24	40	9581	174	1.39	20	3.87	INF	INF	148.41	0.12	28	81
1404	515687	5485499	51.36	0.28	3.4	<2	<0.9	27	57	25311	583	3.16	24	4.87	<0.9	<0.5	247.95	0.17	52	69
1405	517095	5483948	44.79	0.26	5.1	6	1.36	33	65	17837	551	3.52	27	12.60	<0.9	<0.5	222.00	0.30	55	92
1406	518021	5483808	47.27	0.11	4.3	<2	INF	29	37	16586	330	1.90	29	3.61	INF	INF	90.39	0.19	31	85
1407	519276	5482900	33.99	0.09	2.2	<2	<0.9	24	29	8182	114	0.60	22	5.30	<0.9	<0.5	67.19	0.08	15	72
1408	526475	5489047	30.37	0.10	3.8	<2	<0.9	57	39	30499	456	0.57	44	7.81	<0.9	<0.5	120.57	0.11	51	90
1409	523315	5489987	67.63	0.07	4.1	4	INF	14	36	10806	226	2.18	12	2.86	INF	INF	75.21	0.13	21	68
1411	523526	5489225	44.31	0.10	4.1	<2	1.57	33	52	20958	400	1.88	33	5.01	1.05	<0.5	96.43	0.13	39	86
1412	522111	5489678	47.33	0.10	2.1	<2	<0.9	18	56	10695	286	1.38	18	3.75	<0.9	<0.5	108.98	0.12	29	63
1413	520499	5489532	59.93	0.09	4.4	<2	<0.9	13	46	6947	194	1.92	19	3.16	1.14	<0.5	82.99	0.10	18	73
1414	520375	5488826	66.22	0.09	2.2	<2	<0.9	10	25	8090	222	1.77	13	3.08	<0.9	<0.5	56.77	0.11	17	61
1415	520411	5490645	53.77	0.09	1.9	<2	0.92	12	39	5891	142	1.16	15	3.01	1.05	<0.5	79.01	0.09	18	51
1416	519682	5490582	44.19	0.15	3.7	<2	2.81	22	34	23698	725	1.20	18	8.88	<0.9	0.86	138.28	0.19	57	73
1417	518938	5491383	38.41	0.11	2.4	<2	2.02	31	44	15874	325	1.26	28	3.42	<0.9	0.61	139.06	0.12	31	84
1418	517237	5491296	25.39	0.09	1.3	<2	3.07	20	16	10050	178	0.47	13	3.71	<0.9	<0.5	55.23	0.05	18	41
1419	516408	5493617	68.73	0.07	3.3	<2	INF	12	16	6286	162	1.58	11	3.32	INF	INF	28.75	0.10	15	61
1421	517063	5495845	10.26	0.08	2.6	<2	<0.9	62	33	38046	717	0.51	46	7.20	<0.9	0.83	141.88	0.07	63	92
1422	517573	5494639	12.98	0.10	3.2	<2	<0.9	72	39	42731	787	0.54	52	7.86	<0.9	0.69	152.45	0.07	71	110
1423	515569	5495911	40.34	0.12	2.1	<2	<0.9	25	29	8953	123	0.93	20	3.43	<0.9	<0.5	71.08	0.07	19	56
1424	514074	5498410	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1425	510802	5497659	19.92	0.15	1.6	<2	<0.9	67	41	32358	492	0.56	54	7.59	<0.9	0.78	145.27	0.10	58	97
1426	513979	5492960	36.16	0.17	3.4	<2	<0.9	43	42	21143	387	1.21	35	6.65	<0.9	2.25	176.82	0.12	50	96

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	---------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	---------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	---------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1427	513540	5492312	24.22	0.12	3.0	<2	0.95	46	31	22686	346	1.09	38	4.34	<0.9	3.08	150.13	0.10	42	91
1428	512242	5491987	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1429	511037	5491729	13.1	0.10	1.5	<2	<0.9	72	41	36660	585	0.62	57	7.78	<0.9	0.79	166.71	0.08	59	102
1431	514950	5491192	35.52	0.13	2.8	<2	<0.9	36	30	20860	430	0.91	33	4.51	<0.9	1.31	167.01	0.08	33	111
1432	**513995**	**5491230**	**34.36**	**0.12**	**2.2**	**<2**	**<0.9**	**35**	**27**	**19471**	**412**	**0.89**	**33**	**4.21**	**<0.9**	**1.73**	**153.36**	**0.07**	**33**	**95**
1433	515590	5490242	23.76	0.06	1.9	<2	<0.9	26	21	15355	423	0.85	23	2.49	<0.9	0.97	117.19	0.06	23	71
1434	515158	5489540	35.11	0.19	4.3	<2	<0.9	43	40	28939	809	1.50	35	5.49	<0.9	0.77	208.18	0.12	52	120
1435	514279	5490030	34.14	0.17	3.2	<2	<0.9	41	40	23594	497	1.40	35	5.30	<0.9	0.76	186.50	0.11	44	118
1436	513566	5489731	33.33	0.14	3.4	<2	1.10	40	36	21541	439	1.34	33	5.85	<0.9	<0.5	163.62	0.13	43	103
1437	**513712**	**5488950**	**28.03**	**0.12**	**3.5**	**<2**	**1.18**	**44**	**33**	**27891**	**482**	**1.23**	**42**	**4.27**	**1.06**	**0.86**	**171.89**	**0.12**	**40**	**112**
1438	512387	5489076	30.53	0.14	2.2	<2	0.98	46	40	24018	488	1.16	32	6.71	1.27	1.24	173.37	0.12	57	92
1439	513652	5487848	48.11	0.14	3.5	<2	1.23	41	49	23137	973	2.52	27	6.87	0.98	<0.5	222.16	0.20	67	97
1441	516200	5488047	39.14	0.14	1.6	<2	0.93	36	38	17518	375	1.38	29	5.26	0.94	0.72	156.80	0.12	35	89
1442	516779	5486403	42.3	0.18	3.4	<2	2.71	35	63	16700	305	3.02	35	4.71	1.41	0.63	169.31	0.15	33	90
1443	**517462**	**5485669**	**69.92**	**0.12**	**2.8**	**<2**	**INF**	**19**	**50**	**9551**	**209**	**2.67**	**18**	**2.95**	**INF**	**INF**	**105.36**	**0.16**	**19**	**78**
1444	518479	5484865	43.15	0.11	1.0	<2	<0.9	21	28	10926	169	0.97	17	3.72	<0.9	<0.5	88.74	0.09	25	76
1445	518887	5489737	38.47	0.14	2.1	<2	<0.9	21	26	20131	580	0.87	17	4.15	<0.9	0.61	117.51	0.07	44	75
1446	518182	5489429	56.59	0.20	3.1	<2	<0.9	23	41	16059	357	1.74	25	5.20	<0.9	<0.5	109.26	0.17	37	86
1447	517337	5489408	37.87	0.15	3.0	<2	1.60	35	40	19940	584	1.17	28	4.35	<0.9	<0.5	144.36	0.08	42	107
1448	**518702**	**5487999**	**64.6**	**0.11**	**4.5**	**<2**	**<0.9**	**20**	**34**	**8521**	**193**	**2.77**	**22**	**3.99**	**<0.9**	**0.71**	**68.71**	**0.19**	**23**	**78**
1449	519015	5486748	40.55	0.18	3.6	<2	<0.9	21	28	19023	460	1.06	18	9.89	<0.9	<0.5	98.74	0.16	51	69
1451	519856	5486310	36.66	0.13	2.5	<2	<0.9	23	29	13409	246	0.72	26	3.34	<0.9	3.89	111.05	0.07	24	88
1452	519861	5485190	62.04	0.16	3.5	<2	<0.9	11	67	13337	216	3.94	17	3.58	<0.9	<0.5	87.23	0.18	33	114
1453	521093	5488080	43.16	0.16	2.5	<2	2.59	27	39	14301	384	1.20	25	4.65	<0.9	0.61	127.69	0.10	39	85
1454	**523361**	**5487739**	**63.53**	**0.11**	**3.7**	**<2**	**1.66**	**14**	**73**	**11618**	**389**	**2.88**	**24**	**2.40**	**<0.9**	**<0.5**	**83.49**	**0.20**	**21**	**87**
1455	522434	5487773	48.26	0.11	3.7	<2	1.26	22	63	10851	302	1.63	22	2.93	<0.9	<0.5	126.38	0.11	25	71
1456	523057	5486933	73.27	0.05	2.5	4	INF	10	28	5614	152	2.01	12	2.45	INF	INF	49.48	0.19	10	57
1457	522484	5486924	60.99	0.09	2.2	6	<0.9	14	74	8429	125	2.28	34	2.47	<0.9	<0.5	146.67	0.14	13	59
1458	527227	5483789	21.2	0.09	5.5	<2	<0.9	50	39	32311	572	0.56	36	7.87	<0.9	0.94	105.51	0.17	55	95
1459	**526316**	**5483500**	**13.82**	**0.08**	**8.1**	**<2**	**<0.9**	**53**	**33**	**37730**	**491**	**0.65**	**42**	**6.33**	**<0.9**	**0.72**	**105.44**	**0.16**	**59**	**92**
1461	525464	5483783	15.61	0.08	11.0	<2	0.91	57	44	36120	567	0.69	35	6.56	<0.9	2.58	110.39	0.22	63	93
1462	528149	5485921	27.29	0.13	3.7	<2	1.81	52	40	27663	374	0.61	37	6.34	<0.9	0.58	98.01	0.17	49	86
1463	527166	5485912	11.84	0.08	1.9	<2	1.51	56	40	31161	472	0.50	39	7.22	<0.9	1.38	114.71	0.11	54	82
1464	526263	5486037	24.72	0.05	4.0	<2	<0.9	52	38	31043	394	0.48	42	7.86	<0.9	0.60	105.46	0.09	49	79
1465	**525472**	**5485915**	**25.37**	**0.08**	**4.8**	**<2**	**<0.9**	**53**	**46**	**29449**	**355**	**0.83**	**41**	**6.91**	**<0.9**	**0.59**	**94.12**	**0.13**	**48**	**79**
1466	526055	5485126	15.44	0.10	5.5	<2	<0.9	62	40	36787	467	0.38	49	8.45	<0.9	0.66	116.51	0.14	57	95
1467	527994	5488256	43.24	0.09	6.6	<2	INF	41	41	24525	402	1.43	29	9.87	INF	INF	83.17	0.35	47	72
1468	527090	5487721	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1469	526971	5487031	23.04	0.09	4.4	<2	<0.9	51	56	30832	452	1.16	43	7.82	<0.9	0.86	109.55	0.23	53	91
1471	**550941**	**5521825**	**9**	**0.09**	**1.7**	**<2**	**<0.9**	**83**	**37**	**41825**	**550**	**0.27**	**56**	**10.12**	**<0.9**	**0.59**	**144.97**	**0.10**	**69**	**108**
1472	552010	5524343	7.81	0.07	2.5	<2	<0.9	54	30	27244	475	0.46	33	6.75	<0.9	0.55	112.98	0.08	48	67
1473	552937	5528106	9.99	0.10	3.2	<2	<0.9	77	35	38006	449	0.34	52	8.99	<0.9	1.00	131.40	0.10	63	102
1474	556646	5531145	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1475	559872	5533146	11.84	0.11	3.6	<2	<0.9	73	46	39082	863	0.69	49	12.37	<0.9	0.66	159.23	0.15	69	106
1476	**558075**	**5532614**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
1477	559241	5531589	12.03	0.12	2.9	<2	<0.9	66	45	32398	377	0.51	46	9.94	<0.9	0.61	140.20	0.12	58	93
1478	561056	5532198	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1479	561466	5533783	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1481	564222	5534527	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1482	**569408**	**5536087**	**16.92**	**0.13**	**3.6**	**<2**	**4.67**	**70**	**55**	**33798**	**415**	**0.52**	**48**	**9.30**	**<0.9**	**0.64**	**151.05**	**0.18**	**55**	**92**
1483	571394	5536641	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1484	572552	5537875	13.83	0.11	4.7	<2	4.35	64	36	38024	1219	0.86	44	10.95	<0.9	0.71	164.76	0.21	63	89
1485	570809	5534648	10.05	0.10	3.6	<2	<0.9	73	35	39525	1025	0.59	48	10.09	<0.9	0.96	173.69	0.14	70	96
1486	568082	5532640	10.79	0.09	3.2	<2	<0.9	72	35	38957	1141	0.62	45	9.78	<0.9	0.66	159.49	0.15	66	95
1487	**568914**	**5533584**	**6.9**	**0.09**	**3.7**	**<2**	**<0.9**	**73**	**40**	**39623**	**1054**	**0.60**	**51**	**10.26**	**0.97**	**0.90**	**154.34**	**0.14**	**67**	**91**
1488	566655	5531577	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1489	562837	5532102	8.54	0.08	3.0	<2	<0.9	59	30	30028	489	0.60	39	8.12	<0.9	0.66	134.80	0.09	50	75
1491	562455	5530434	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1492	558298	5528119	12.44	0.11	3.0	<2	<0.9	71	35	33975	379	0.45	45	9.32	<0.9	0.64	138.85	0.10	55	86
1493	**558298**	**5527119**	**13.42**	**0.12**	**2.2**	**<2**	**<0.9**	**63**	**34**	**29119**	**329**	**0.48**	**42**	**9.79**	**<0.9**	**0.52**	**125.50**	**0.12**	**49**	**78**
1494	557248	5527969	13.75	0.13	3.7	<2	<0.9	75	38	34562	395	0.46	47	10.38	<0.9	0.64	140.76	0.11	57	90
1495	556498	5526619	12.55	0.09	1.9	<2	<0.9	61	34	27889	328	0.50	38	9.22	<0.9	<0.5	118.05	0.13	51	75
1496	547698	5510269	66.11	0.24	2.3	<2	INF	27	63	3976	72	4.19	24	4.33	INF	INF	195.52	0.15	19	86
1497	545849	5510689	40.58	0.52	2.1	<2	1.48	13	151	5465	89	1.58	23	5.53	1.33	0.74	347.50	0.18	16	90
1498	**544599**	**5510619**	**26.54**	**0.06**	**<0.5**	**<2**	**<0.9**	**21**	**23**	**11457**	**154**	**0.63**	**17**	**4.74**	**<0.9**	**<0.5**	**79.85**	**<0.05**	**23**	**65**
1499	541799	5508019	10.15	0.05	4.9	<2	1.25	24	15	25527	1125	0.53	17	4.12	<0.9	1.14	91.05	0.07	29	36
1501	536249	5501669	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1502	536249	5500019	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3001	629916	5524334	41.98	0.04	1.6	<2	<0.9	21	26	9728	179	1.24	19	3.96	<0.9	<0.5	48.09	0.08	18	45
3002	**629596**	**5523594**	**9.98**	**0.06**	**2.3**	**<2**	**<0.9**	**40**	**26**	**21512**	**487**	**0.94**	**30**	**4.38**	**<0.9**	**0.77**	**81.54**	**0.08**	**33**	**51**
3003	628686	5523144	21.87	0.08	2.2	<2	<0.9	43	35	20608	440	0.77	31	4.77	<0.9	0.98	95.39	0.07	35	81
3004	628736	5523859	21.3	0.08	3.4	<2	<0.9	38	30	21194	463	0.69	27	5.34	<0.9	0.86	94.41	0.09	35	76
3005	627406	5523489	21.47	0.09	3.0	<2	<0.9	37	32	20105	337	0.96	27	6.29	<0.9	<0.5	93.30	0.11	37	78
3006	627746	5525149	8.04	0.02	1.5	<2	<0.9	19	13	11049	332	0.33	13	2.78	<0.9	0.57	65.69	0.06	19	34
3007	**628356**	**5524644**	**22.8**	**0.09**	**3.1**	**<2**	**<0.9**	**38**	**35**	**20158**	**359**	**0.96**	**26**	**5.81**	**<0.9**	**0.76**	**97.90**	**0.09**	**37**	**82**
3008	629046	5525499	16.92	0.05	2.9	<2	<0.9	33	25	20514	603	0.55	22	4.22	<0.9	0.69	87.23	0.06	30	66
3009	622489	5524810	11.12	0.05	2.3	<2	<0.9	30	17	16991	315	0.43	21	3.86	<0.9	<0.5	79.45	0.06	29	49
3011	619501	5524117	17.62	0.04	2.2	<2	<0.9	29	21	14848	277	0.76	21	4.28	<0.9	0.55	67.52	0.06	27	47
3012	630619	5522391	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3013	**631838**	**5523186**	**25.58**	**0.08**	**3.2**	**<2**	**<0.9**	**32**	**39**	**16276**	**195**	**0.72**	**25**	**5.27**	**<0.9**	**0.60**	**73.27**	**0.10**	**26**	**72**
3014	632668	5524003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3015	633501	5525127	27.13	0.08	3.1	<2	<0.9	25	32	11639	126	0.77	20	10.46	<0.9	0.67	62.75	0.24	19	67
3016	634779	5525961	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3017	635810	5526045	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3018	**636516**	**5526924**	**18.04**	**0.03**	**2.3**	**<2**	**<0.9**	**19**	**20**	**10096**	**188**	**0.65**	**16**	**2.91**	**<0.9**	**<0.5**	**53.88**	**0.06**	**17**	**34**
3019	635396	5527302	60.97	0.04	INF	INF	INF	24	41	7757	75	2.15	28	3.23	INF	INF	45.08	0.27	12	61
3021	636467	5528160	28.05	0.05	2.8	<2	<0.9	18	33	8101	103	1.01	18	5.01	<0.9	<0.5	48.97	0.12	15	61
3022	636997	5529106	30.7	0.05	5.0	<2	<0.9	19	45	10215	182	2.91	20	8.20	<0.9	0.53	47.81	0.21	17	73
3023	635469	5529754	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3024	**634378**	**5529361**	**27.11**	**0.12**	**3.2**	**<2**	**<0.9**	**31**	**35**	**16930**	**301**	**0.74**	**25**	**9.72**	**<0.9**	**<0.5**	**98.80**	**0.15**	**33**	**84**

Sample	Easting	Northing	LOI	Ag	As	Au	Au	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Pd	Pt	REEt	Sb	V	Zn
	Method	--------->	Grav	MS	INAA	INAA	FA	OES	OES	OES	OES	MS	OES	MS	FA	FA	MS	MS	OES	OES
	Units	--------->	%	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm
	Det Limit	--------->	0.01	0.02	0.5	2	0.90	4	5	5	1	0.10	5	0.05	0.90	0.50	NA	0.05	5	2
3025	635742	5530833	20.05	0.06	5.0	<2	<0.9	31	37	17960	448	1.60	25	8.56	1.14	0.53	88.54	0.18	29	60
3026	636582	5530739	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3027	637074	5530357	24.82	0.06	3.0	<2	<0.9	36	33	19243	216	1.07	30	6.06	<0.9	<0.5	91.94	0.12	32	61
3028	639075	5530965	11.52	0.04	1.9	8	<0.9	25	20	13172	185	0.51	19	3.56	<0.9	0.58	69.73	0.07	25	34
3029	**638653**	**5532003**	**29**	**0.08**	**2.5**	**<2**	**1.20**	**27**	**35**	**11345**	**127**	**0.84**	**23**	**7.12**	**1.45**	**<0.5**	**68.82**	**0.18**	**20**	**65**
3031	639236	5533514	34.92	0.05	3.4	<2	<0.9	20	45	9731	129	1.94	23	3.49	<0.9	<0.5	62.56	0.16	18	53
3032	640856	5532737	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3033	642338	5533786	86.43	<0.02	1.8	<2	<0.9	5	7	4921	219	1.32	6	0.57	<0.9	<0.5	4.64	0.09	<5	9
3034	642670	5533945	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3035	**639098**	**5528933**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
3036	640562	5526543	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3037	641080	5526469	25.91	0.06	2.5	<2	<0.9	19	34	8815	100	1.14	20	4.68	<0.9	<0.5	50.22	0.13	16	68
3038	641973	5526742	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3039	637627	5523986	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3041	**635258**	**5522679**	**5.51**	**<0.02**	**2.8**	**<2**	**<0.9**	**13**	**9**	**7460**	**113**	**0.19**	**11**	**1.68**	**<0.9**	**<0.5**	**38.70**	**<0.05**	**14**	**24**
3042	634199	5523460	13.84	0.05	3.5	<2	<0.9	26	24	13172	290	0.47	19	4.16	<0.9	<0.5	72.53	0.06	26	63
3043	625868	5524664	12.22	0.04	1.9	<2	<0.9	31	22	17057	359	1.15	22	4.20	<0.9	<0.5	78.99	0.07	31	46
3044	623980	5523369	8.21	<0.02	2.0	<2	<0.9	24	24	12033	444	1.55	18	2.84	<0.9	1.36	46.16	0.07	21	30
3045	624435	5524002	26.22	0.06	3.9	<2	<0.9	32	41	17494	366	2.51	27	4.31	<0.9	0.56	71.21	0.08	32	62
3046	**625404**	**5525874**	**17.79**	**0.06**	**2.9**	**<2**	**<0.9**	**39**	**26**	**21903**	**457**	**0.56**	**27**	**5.09**	**<0.9**	**0.57**	**90.42**	**0.06**	**40**	**73**
3047	626453	5526438	12.98	0.05	1.8	<2	<0.9	38	23	20998	396	0.62	26	4.93	<0.9	0.55	87.69	0.07	39	64
3048	627706	5527014	3.24	<0.02	1.4	<2	<0.9	16	10	9115	131	0.21	12	2.22	<0.9	<0.5	48.32	<0.05	17	22
3049	630266	5526669	41.17	0.06	2.7	<2	<0.9	17	33	7806	182	1.53	16	2.72	<0.9	<0.5	59.72	0.07	24	73
3051	630871	5527075	30.38	0.07	3.2	<2	<0.9	28	31	13453	234	1.26	21	3.74	<0.9	<0.5	70.94	0.08	29	63
3052	**631850**	**5526784**	**40.68**	**0.04**	**2.8**	**<2**	**INF**	**27**	**24**	**10494**	**150**	**1.30**	**21**	**3.73**	**INF**	**INF**	**59.55**	**0.09**	**21**	**55**
3053	631213	5525494	41.57	0.08	4.0	<2	<0.9	26	35	13952	218	1.22	22	4.12	0.94	3.02	72.84	0.10	30	79
3054	544265	5522238	9.41	0.10	4.4	<2	<0.9	79	40	37866	776	0.73	52	11.66	0.93	0.99	170.23	0.14	72	97
3055	546077	5522394	3.39	0.06	4.2	<2	<0.9	70	36	35596	1958	0.51	49	9.05	<0.9	1.19	142.35	0.11	64	82
3056	545387	5520688	54.94	0.06	2.8	<2	2.56	64	34	32046	752	0.55	44	9.12	<0.9	0.86	138.32	0.10	58	77
3057	**544728**	**5520307**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

Median	33.57	0.08	2.6	6	1.35	26	28	16207	291	0.93	22	4.93	1.17	0.63	100.02	0.09	32	73
Mean	35.72	0.09	3.3	9	2.18	30	30	18193	364	1.21	24	5.40	1.46	0.75	105.33	0.10	34	74
Standard Deviation	18.4	0.05	4.0	10	2.55	18	15	12028	709	0.96	11	2.46	0.82	0.47	68.49	0.08	17	23
Minimum	3.2	0.02	0.8	3	0.91	4	6	1310	22	0.13	5	0.57	0.91	0.50	4.64	0.05	5	9
Maximum	88.66	0.52	90.4	54	15.25	92	204	106182	21544	8.68	64	30.51	6.39	5.14	1032.34	2.31	127	184
Count	1210	1154	1201	29	71	1209	1209	1210	1210	1210	1204	1210	98	357	1210	1082	1203	1210

Notes		
	Grav = Automated gravimetric method MS = Inductively coupled plasma - mass spectrometry OES = Inductively coupled plasma - optical emission spectrometry FA = Fire assay - ICP-MS INAA = Instrumental neutron activation analysis	INF = Insufficient sample for analysis NS = No sample NM = Not measured Easting and northing coordinates are provided in NAD 83, UTM zone 15.

Metric Conversion Table

Conversion from SI to Imperial			Conversion from Imperial to SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
LENGTH					
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
AREA					
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
VOLUME					
1 cm^3	0.061 023	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.307 951	cubic yards	1 cubic yard	0.764 554 86	m^3
CAPACITY					
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
MASS					
1 g	0.035 273 962	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 747	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 622 6	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311 3	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 90**	t
CONCENTRATION					
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

	Multiplied by	
1 ounce (troy) per ton (short)	31.103 477	grams per ton (short)
1 gram per ton (short)	0.032 151	ounces (troy) per ton (short)
1 ounce (troy) per ton (short)	20.0	pennyweights per ton (short)
1 pennyweight per ton (short)	0.05	ounces (troy) per ton (short)

Note: Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries, published by the Mining Association of Canada in co-operation with the Coal Association of Canada.